2024

Product Portfolio
Professional range
Industrial range
Hardware range

polymaker

2024

Product Portfolio
Professional range
Industrial range
Hardware range

Our Offer

Polymaker offers four kinds of 3D printing products including professional 3D printing filaments, industrial 3D printing filaments, 3D printing pellets, and related hardware to serve our customers.

Professional

The Professional range of products provide filaments with superior properties that deliver a better overall printing experience, ensuring the efficiency of 3D printers and empowering users to create strong and functional 3D printed products.

Hardware

Polymaker Hardware family offers 3D printing accessories to optimize the user experience with their filaments.

Industrial

The Industrial range of products provides engineering grade materials, these materials not only have high performance but also have high printability to unlock the use of 3D printing in multiple industries for new applications. It offers alternatives for customers in using 3D printing technology in industrial applications.

About Polymaker

Polymaker is a developer and manufacturer of 3D printing materials committed to innovation, quality and sustainability. Its award-winning product portfolio has enabled numerous of individuals and companies to **"better create and innovate".**

Headquartered in Changshu, China, Polymaker has multiple office locations in Shanghai, Utrecht and Houston ready to serve customers across the globe.

PolySonic™ PLA

PolySonic™ PLA Pro

PolyTerra™ PLA

PolyTerra™ PLA+

PolyTerra™ Edition-R

PolyLite™ PLA

PolyLite™ PLA Pro

PolyLite™ PLA-CF

PolyLite™ LW-PLA

PolyLite™ CosPLA

PolyLite™ PETG

PolyLite™ ABS

PolyLite™ ASA

PolyLite™ PC

PolyMax™ PLA

Printability

The printability of the material is defined by its ease of use and equipment required.

Durability

The durability of the material is defined by its resistance to impact:Charpy impact strength ISO 179, GB/T 1043.

Weather Resistance

The weather resistance of the material is defined by its UV resistance. The data provided is currently an estimation.

Rigidity

The rigidity of the material is defined by its modulus:Young's modulus ISO 527, GB/T 1040.

Heat Resistance

The heat resistance of the material is defined by its VST:
Vicat Softening temperature ISO 306 GB/T 1633.

*PolyMide™ PA6-CF and PolyMide™ PA6-GF heat resistance are defined by their HDT: Heat Deflection Temperature ISO 75 0.45 MPa.

PolyMax™ PETG

PolyMax™ PETG-ESD

PolyMax™ PC

PolyMax™ PC-FR

PolyFlex™ TPU90

PolyFlex™ TPU95

PolyFlex™ TPU95-HF

PolySmooth™

PolyWood™

Polymaker™ PC-ABS

Polymaker™ PC-PBT

Polymaker™ Draft PLA

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ISO 75 0.45 MPa.

Dry state · Wet state
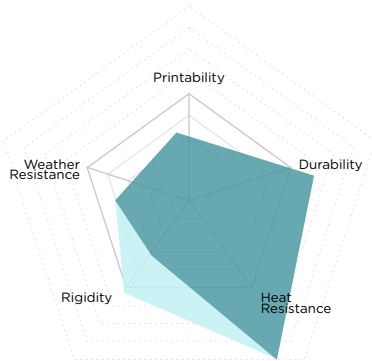
PolyMide™ CoPA
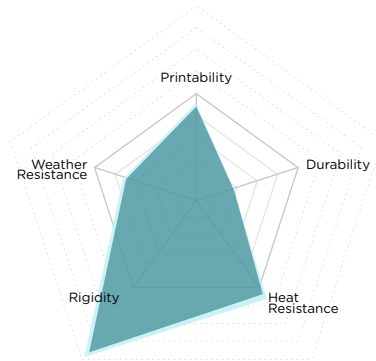
PolyMide™ PA612-CF
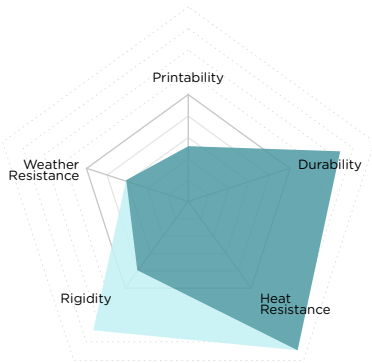
PolyMide™ PA6-GF
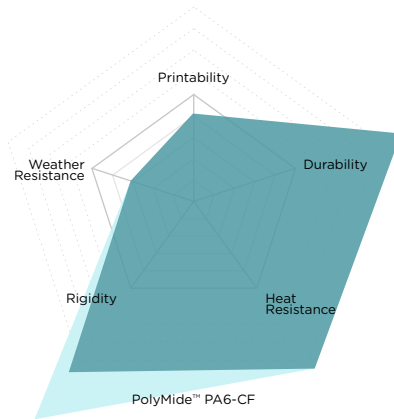
PolyMide™ PA6-CF

PolyMide™ PA12-CF

Material Comparison

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Printability

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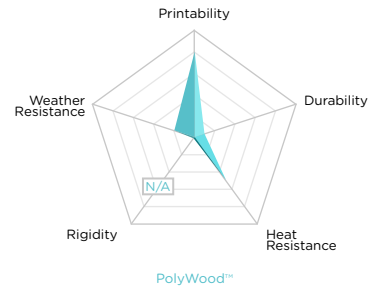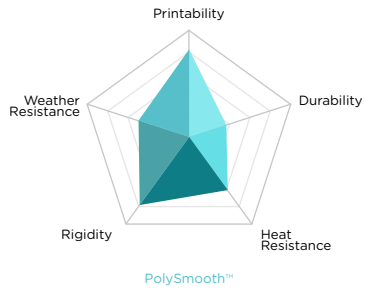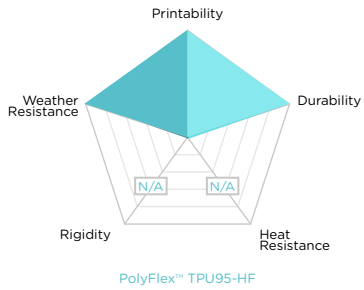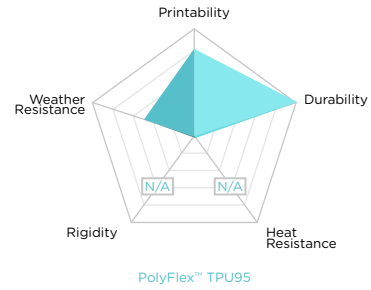
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Heat Resistance

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Vicat Softening temperature
ISO 306 GB/T 1633.

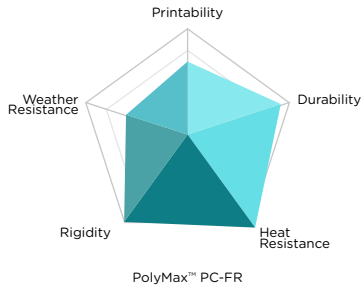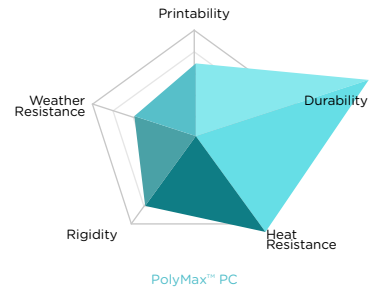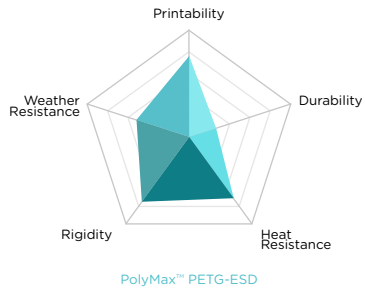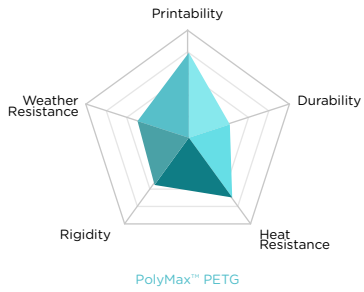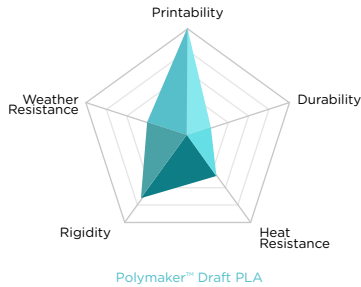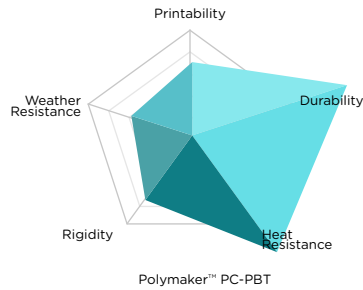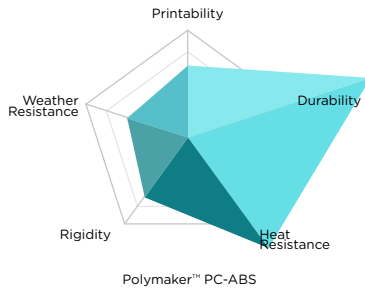*PolyMide™ PA6-CF and PolyMide™ PA6-GF heat resistance are defined by their HDT: Heat Deflection Temperature
ISO 75 0.45 MPa.

Technologies

JAM-FREE™

Jam-Free™ technology improves the heat stability of Polymaker's PLA filaments with softening temperatures over 140 °C. As a result, Polymaker's PLA filaments show minimal softening in the "cold end" and can melt rapidly once entering the heating zone, leading to excellent printing quality with zero risk of nozzle jams.

WARP-FREE™

Warp-Free™ technology enables the production of Nylon-based filaments that can be 3D printed with excellent dimensional stability and near-zero warpage. This is achieved by the fine control of micro-structure and crystallization behavior of Nylon, which enables the material to fully release the internal stress before solidification.

ASH-FREE™

Ash-Free™ technology allows Polymaker's filament which has been designed for investment casting to burn off cleanly without any residue, enabling defect-free metal parts. 3D printing has been used to produce investment casting patterns as it cuts down both the cost and lead time for small-volume production runs.

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Regular PLA   With Jam-Free™

Regular Nylon   With Warp-Free™

Without Ash-Free™   With Ash-Free™
Ash content: 0.5%   Ash content: 0.003%
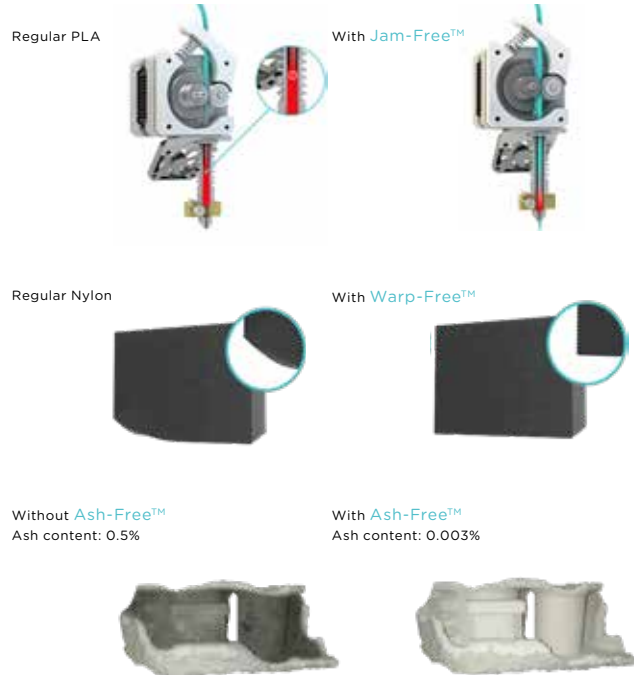
Wood   Stabilized Foaming™

Rough surface   With Layer-Free™
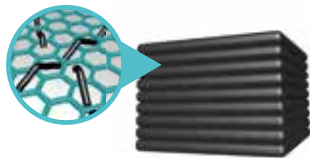
STABILIZED FOAMING™

Stabilized Foaming™ technology is used to produce foamed filaments, whose foam structure can survive the printing process and be inherited by the printed parts. This enables light weight 3D printed parts with unprecedented surface finish.

LAYER-FREE™

Layer-Free™ technology involves exposing a 3D printed part to an aerosol of micro-sized alcohol droplets, generated by a rapidly vibrating, perforated membrane called the nebulizer. The aerosol will then be adsorbed by the surface of the 3D printed part rendering it smooth and layer-free.

NANO-REINFORCEMENT™

Nano-reinforcement™ technology is applied to produce filaments with excellent mechanical properties and printing quality. It dramatically improves the toughness of the material by increasing its impact resistance.

FIBER ADHESION™

Fiber Adhesion™ technology improves the layer adhesion of fiber reinforced materials, by optimizing the surface chemistry of the fibers to achieve better dispersion and bonding to the matrix. This results in better strength along the Z-axis and reduced mechanical anisotropy.

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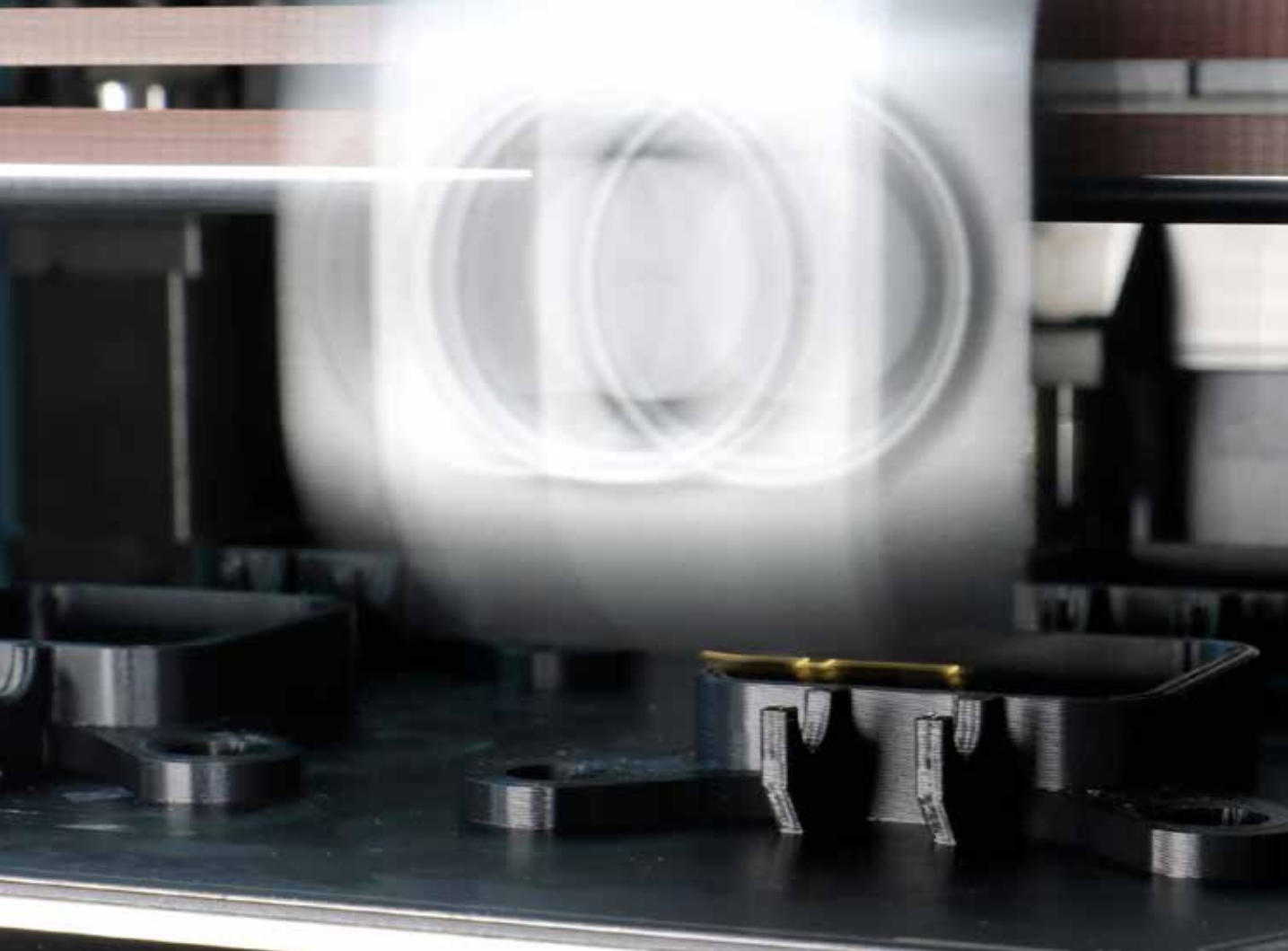
PolySonic™

PolySonic™ is the ultimate High-Speed family engineered to maximize your printer's productivity without compromising on quality or mechanical properties. Unleash your printer's full potential and boost efficiency by producing more parts in less time, all while maintaining exceptional print characteristics. Elevate your 3D printing experience to new heights with PolySonic™.

Polymaker believes that high-speed filaments must satisfy 3 criteria:

Extrusion — The material must exhibit a wide extrusion window and improved flow rates.

Forming — This is a measure of how the material prints and forms at high speed. How is the print quality, overhang and small details, are the layers properly bonded together?

Mechanical Properties — PolySonic™ materials should retain 80% of the mechanical properties printed when printed at high speed.
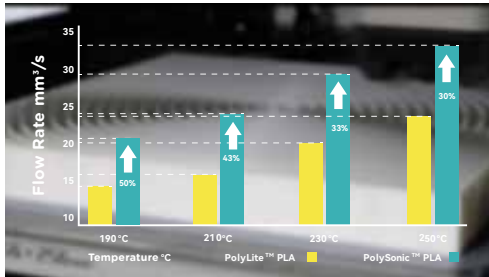
Comparison Chart of Extrusion Performance
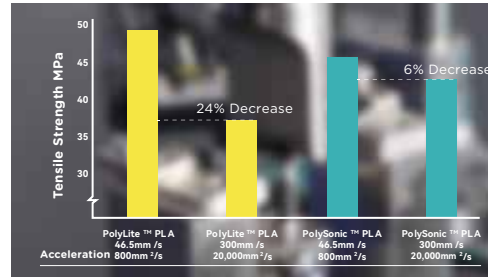
Comparison Test Graph of Mechanical
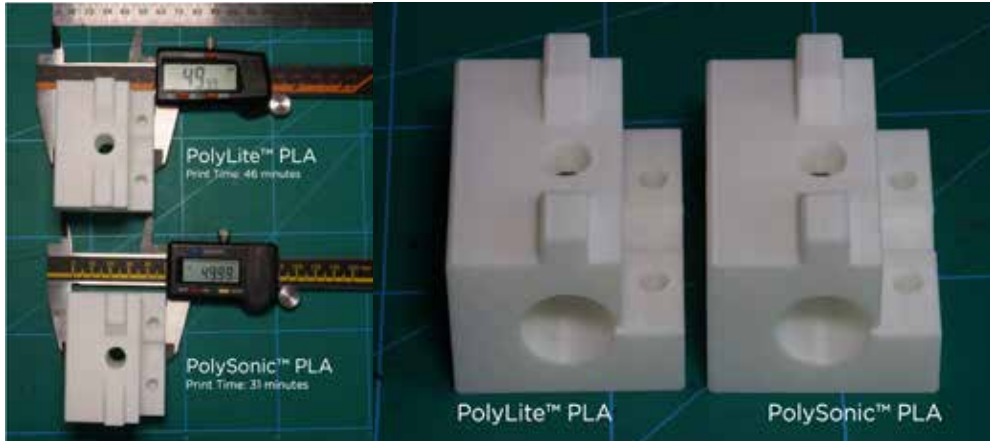
Efficient and time-saving Printing time reduced by over 30%.

*The reference extrusion testing is performed on a customized extrusion platform equipped E3D volcano hotend and 0.4mm nozzle with Hemera XS extruder. The maximum volumetric flow rate is defined as the volumetric flow rate at which the rate of change of actual extrusion efficiency remains within 1% as the volumetric flow rate increases.

*The mechanical testing follows the ISO 527 standard testing method. All specimens are 3D printed, with the dimensions of the high-speed printed specimens being 130% larger than those used for printing at classical speeds. This ensures that the printing speed and acceleration can effectively attain approximately 300^3mm/s and 20000^2mm/s separately during specimen printing.
The specimens are printed with a 0.4mm nozzle.

PolySonic™ PLA

Good printability   High-Speed   Consistent Extrusion

Description

PolySonic™ PLA is a revolutionary high-speed 3D printing filament, the ultimate game-changer in additive manufacturing. With its lightning-fast extrusion rate, cutting-edge precision, and exceptional layer adhesion you can ramp up the speed of your 3D printer and witness new levels of productivity. Accelerate your workflow without compromising on strength or quality.

Printing Settings

Printing temp.:	Classic: 190-210°C
	High: 210-230°C
Printing speed:	Classic: 50-100mm/s
	High: 100-300mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	55°C for 6h
Annealing:	N/A

Material Properties
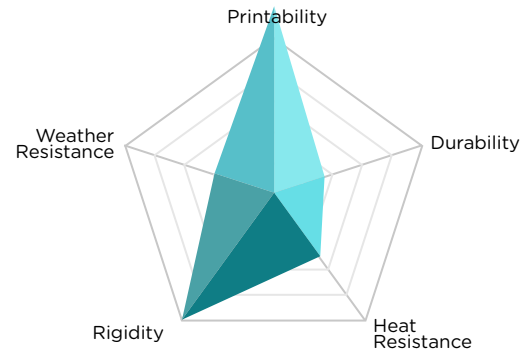
PolySonic™ PLA

Regular A collection of commonly used colors.

Black	White	Grey	Red	Blue	Green	Polymaker Teal

Purple	Orange	Yellow
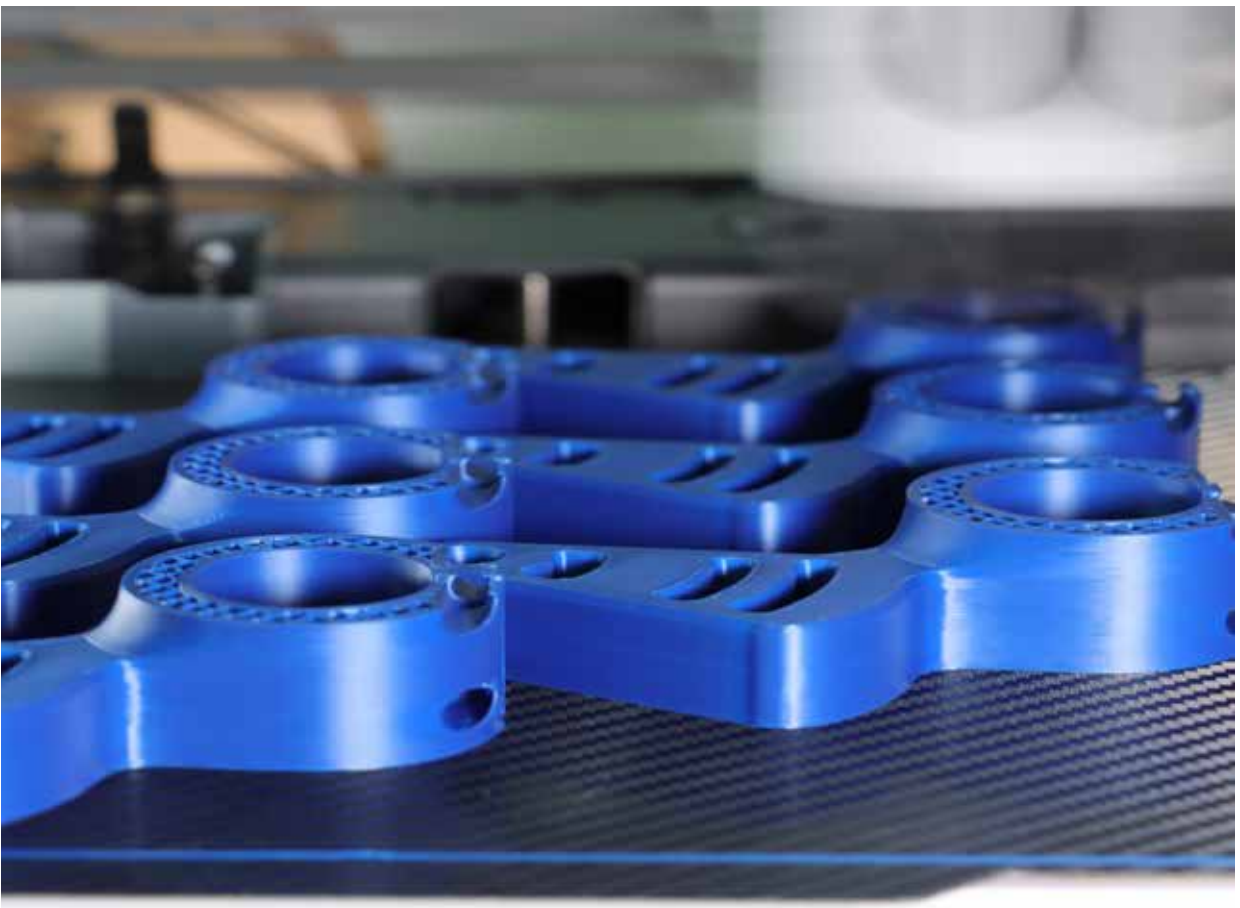
PolySonic™ PLA Pro

Excellent Toughness

High-Speed

Consistent Extrusion
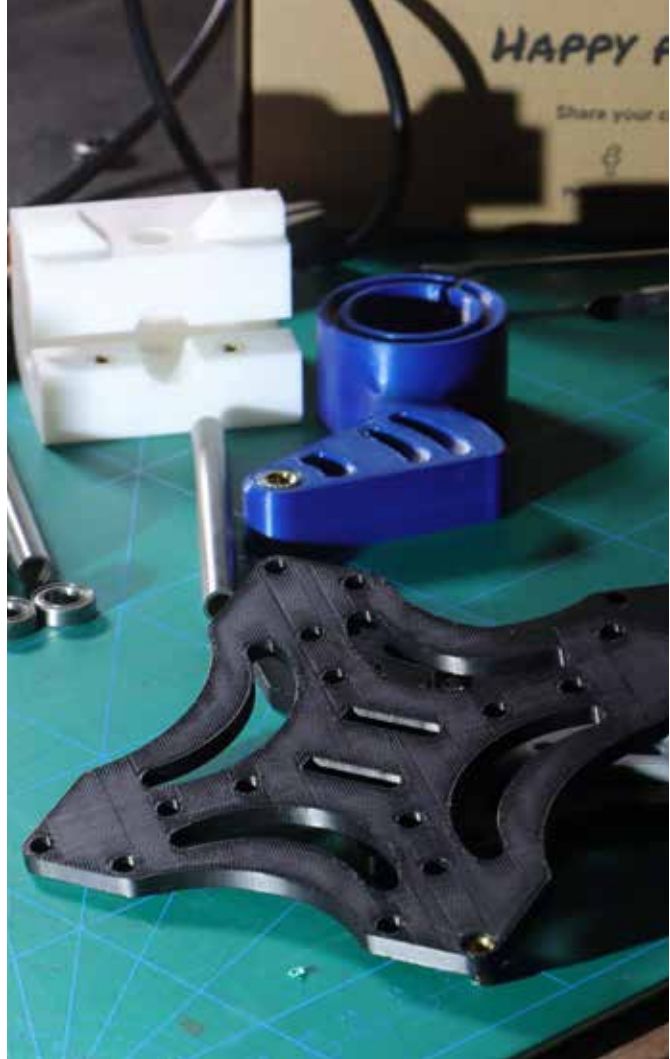
Description

PolySonic™ PLA Pro is a tough PLA that can print at incredible speeds. With its advanced formulation, this filament ensures durable, rugged prints, with an impact strength similar to ABS and bending strength outperforming ASA & PETG. When time is of the essence for functional parts, PLA Pro is the ideal choice for you.

Printing Settings

Printing temp.:	Classic: 190-210°C
	High: 210-230°C
Printing speed:	Classic: 50-100mm/s
	High: 100-300mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	55°C for 6h
Annealing:	N/A

Material Properties
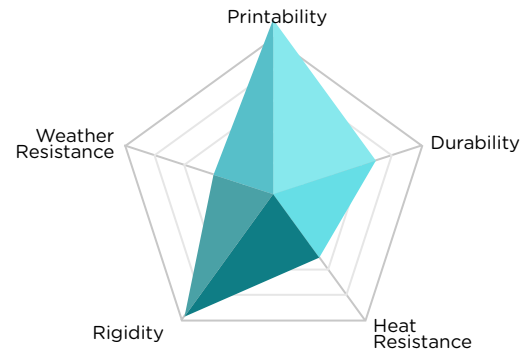
PolySonic™ PLA Pro

Regular   A collection of commonly used colors.

Black	White	Grey	Red	Blue	Yellow
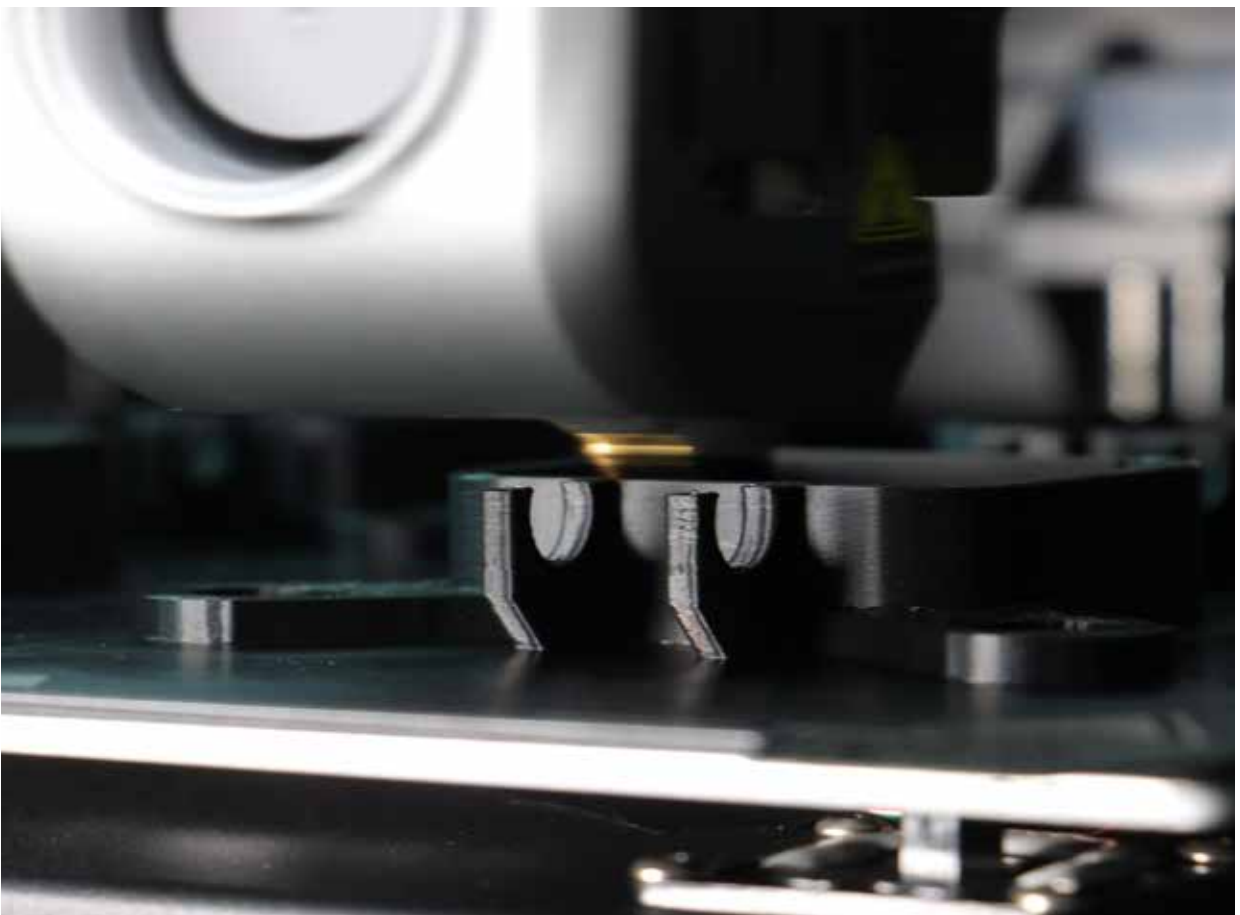
PolyTerra™ PLA

PolyTerra™ PLA is a 3D printing filament designed from the ground up to create the next generation of environmentally friendly filaments, combining ease of use, fast printing with a matte surface finish. It comes on a fully recycled cardboard spool with a wonderful range of pastel, marble, gradient, dual and regular colors.

PolyTerra™ PLA spool and box are made from recycled cardboard. Recycling reduces the amount of resources needed to manufacture new spools and boxes. Cardboard is biodegradable, microorganisms and other decomposers will break the fibers of the cardboard down and produce soil.

The next generation of PLA: Fully Bio Compound

PolyTerra™ PLA is a newly developed material from Polymaker called FBC. It is a compound of PLA bioplastic and biocomposite. PLA is biodegradable under industrial composting conditions however the degradation rate is very slow in ambient temperatures. This specially designed biocomposite contains less plastic to degrade making PolyTerra™ PLA a more environmental friendly material.

The newly developed FBC from Polymaker is not only eco-friendlier but it also have multiple benefits in 3D printing

Excellent printability:
PolyTerra™ PLA features great overhang and bridging capability. It is also capable of reaching faster printing speeds while maintaining consistent extrusion.

Matte/Smooth finish:
PolyTerra™ PLA gives a smooth and matte surface finish on your prints, helping with hiding the layer pattern specific to FFF 3D printing.

Easy support removal:
One of the main advantages of PolyTerra™ PLA is that it's designed to support itself and breakaway easily.

Jam-Free™ Technology:
Just as Polymaker's PolyLite™ PLA, PolyTerra™ PLA also features Jam-Free™ Technology!

Tougher than regular PLA:
PolyTerra™ PLA toughness not only improves the printing reliability of the material but also allows the users to print more durable parts.

Cost-effective:
PolyTerra™ PLA is a very cost-effective product. It provides incredible 3D printing benefits and eco-friendly values while staying very affordable.

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PolyTerra™ PLA

Eco-friendly

Good printability

Easy support removal

Description

PolyTerra™ PLA is a matte surface PLA-based 3D printing filament with a huge range of colors and effects to choose from. It is an extremely easy to print filament with great bridging & overhang qualities. It can print in a very wide temperature window and is compatible with all extrusion-based 3D printers.

Printing Settings

Printing temp.: 190-230°C
Printing speed: 30-70mm/s
Bed temp.: 25-50°C
Chamber temp.: N/A
Fan: On
Drying settings: 55°C for 6h
Annealing: N/A

Material Properties

PolyTerra™ PLA

Regular   A collection of commonly used colors.

Charcoal Black	Cotton White	Fossil Grey	Lava Red	Rose	Sapphire Blue	Savannah Yellow
Sakura Pink	Sunrise Orange	Lime Green	Forest Green	Lavender Purple	Earth Brown	Wood Brown
Army Blue	Army Dark Green	Army Light Green	Army Brown	Army Beige	Army Red	Arctic Teal

Army Purple

Ash Grey

Electric Indigo

Lotus Pink

Muted A collection of understated colors with reduced saturation.

Muted
White

Muted
Red

Muted
Blue

Muted
Green

Muted
Purple

Pastel   A collection of soft, light, ethereal colors.

| Watermelon | Ice | Peach | Candy | Mint | Banana | Peanut | Periwinkle |

Marble A collection of colors mimicking the texture of marble.

Marble White	Marble Slate Grey	Marble Limestone	Marble Sandstone	Marble Brick

Gradient A collection of colors displaying a gradual transition of complementary hues and shades during printing.

Cappuccino   Pastel Rainbow   Spring   Summer   Fall   Winter

Dual A collection of colors featuring two colors on the cross-section of a single filament.

Glacier Blue (Ice-Blue)	Flamingo (Pink-Red)	Chameleon (Teal-Yellow)	Sunrise (Red-Yellow)	Shadow Black (White-Black)	Shadow Orange (Orange-Black)	Shadow Red (Black-Red)

Foggy Purple
(Grey-Purple)

Foggy Orange
(Grey-Orange)

Camouflage
(Dark
Green-Brown)

Mixed Berries
(Red-Dark Blue)

Dual Gradient   A collection of colors combining dual and gradient color characteristics..

Dual Gradient
Wood

Material: PolyTerra™ PLA

Range: Professional

PolyTerra™ PLA+

Eco-friendly

Good printability

Satin surface

Description

PolyTerra™ PLA + is an impact modified PLA boosting the toughness and durability of PolyTerra™ PLA without compromising the excellent printability. Displaying a more satin finish, this low warp, high precision PLA can be used in more practical applications where a higher rigidity is required.

Printing Settings

Printing temp.: 190-230°C

Printing speed: 30-70mm/s

Bed temp.: 25-50°C

Chamber temp.: N/A
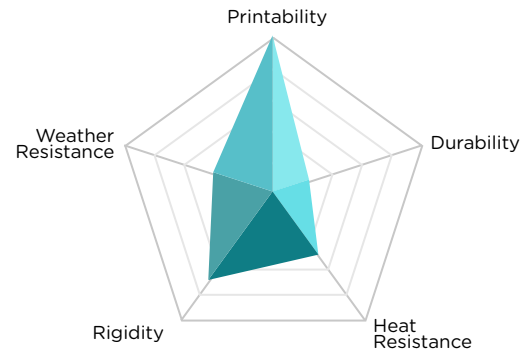
Fan: On

Drying settings: 55°C for 6h

Annealing: N/A

Material Properties
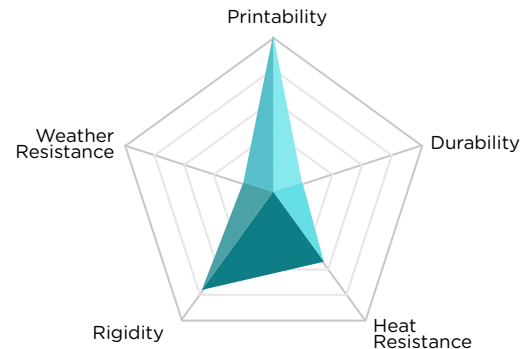
PolyTerra™ PLA+

Regular A collection of commonly used colors.

Black	White	Grey	Red	Polymaker Teal	Blue	Yellow

Orange	Green	Purple

PolyTerra™ Edition-R

Good printability

Matte surface

~30% post-industrial waste

Description

PolyTerra™ Edition-R is PLA filament containing 30% post-industrial recycled PLA. This PLA boosts the sustainability of an already eco-friendly material without compromising the print quality or printing characteristics. With a matte black surface finish this recycled PLA filament is the perfect filament for everyday applications.

Printing Settings

Printing temp.:	190-230°C
Printing speed:	30-70mm/s
Bed temp.:	25-50°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	55°C for 6h
Annealing:	N/A

Material Properties

PolyTerra™ Edition-R

Regular   A collection of commonly used colors.

Black

PolyLite™

PolyLite™ is a family of the most commonly used 3D printing filaments created with the highest quality raw materials to deliver reliable and repeatable 3D printed parts. PolyLite™ materials serve your everyday needs in design and prototyping, whilst also providing a huge color range and a number of interesting special effects.

PolyLite™ PLA

Good printability

Prints reliably

Made from renewable sources

Description

PolyLite™ PLA is a reliable 3D printing material with with a broad color range. It features high tensile strength and rigidity paired with great printability and outstanding printing characteristics. PolyLite™ PLA has the widest range of special effect filaments with silk, dual silk, glow in the dark, galaxy, starlight, temperature color change and UV color change, all offering a different surface effect.

Printing Settings

Printing temp.:	190-230°C
Printing speed:	40-60mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	55°C for 6h
Annealing:	N/A

Material Properties
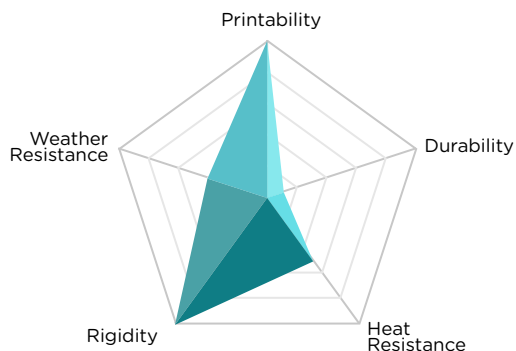
PolyLite™ PLA

Regular A collection of commonly used colors.

Black	White	Grey	Steel Grey	Red	Wine Red	Blue

Stone Blue	Azure Blue	Aqua Blue	Polymaker Teal	Natural	Yellow	Lemon Yellow

Pink	Magenta	Orange	Dark Grey Green	Green	Jungle Green	Lulzbot Green

Lime
Green

Cream

Olive
Brown

Beige

Olive
Green

Purple

Brown

Sky
Blue

Silk   A collection of shiny, silk-like colors.

Silk Gold	Silk Silver	Silk Bronze	Silk Rose	Silk Blue	Silk Lime	Silk Purple
Chrome	Silk White	Silk Green	Silk Magenta	Silk Pink	Silk Orange	Silk Yellow
Silk Black	Silk Teal	Silk Red	Silk Rose Gold	Silk Light	Silk Brass	Silk Peridote

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Silk
Dark Blue

Silk
Periwinkle

Silk
Gunmetal
Grey

Galaxy   A collection of colors displaying a sparkling effect with a hint of glitter.

Galaxy
Black

Galaxy
Dark Red

Galaxy
Dark Blue

Glow A collection of naturally appearing colors that change and glow in the dark.

Glow
In The Dark
Green

Glow
Blue

Dual Silk A collection of colors displaying two silk colors in the cross-section of a single filament.

| Aubergine Silk Lime-Magenta | Banquet Silk Gold-Magenta | Beluga Silk Silver-Blue | Caribbean Sea Silk Blue-Green | Chameleon Silk Yellow-Blue | Crown Silk Gold-Silver | Jadeite Silk Green-Chrome |

Sovereign Silk
Gold-Purple

Sunset Silk
Gold-Red

Sparkle   A collection of colors displaying a shimmering and glistening effect.

Sparkle
Dark Green

Sparkle
Dark Blue

Starlight   A collection of color displaying different colors from different viewing angles.

Starlight
Mercury

Starlight
Jupiter

Starlight
Neptune

Starlight
Nebula

Starlight
Comet

Starlight
Meteor

Starlight
Aurora

Starlight
Twilight

Luminous   A collection of vivid colors that also glow in the dark.

Luminous
Green

Luminous
Blue

Luminous
Yellow

Luminous
Pink

Luminous
Orange

Luminous
Rainbow

Material: PolyLite™ PLA

Range: Professional

65

Color-Change   A collection of colors that change when exposed to temperature variation or UV radiation.

Temperature
Color Change
Green/Lime

Temperature
Color Change
Purple/Pink
/Translucent

UV Color Change
Natural/Orange

Metallic   A collection of shimmering colors with a metallic luster.

Dark Blue

Dark Green

Transluscent   A collection of semi-transparent colors.

Translucent
Orange

Translucent
Blue

Translucent
Red

Translucent
Yellow

Material: PolyLite™ PLA

Range: Professional

PolyLite™ PLA Pro

Excellent rigidity

High impact strength

Prints reliably

Description

PolyLite™ PLA Pro is a first of its kind, combining high toughness and high rigidity, this professional PLA offers engineering properties without compromising the ease of printing of regular PLA. PLA PRO is the perfect candidate for a wide range of applications covering functional prototyping, jigs and fixtures and end use parts for consumer goods.

Printing Settings

Printing temp.:	190-220˚C
Printing speed:	30-70mm/s
Bed temp.:	30-60˚C
Chamber temp.:	N/A
Fan:	ON
Drying settings:	55°C for 6h
Annealing:	N/A

Material Properties
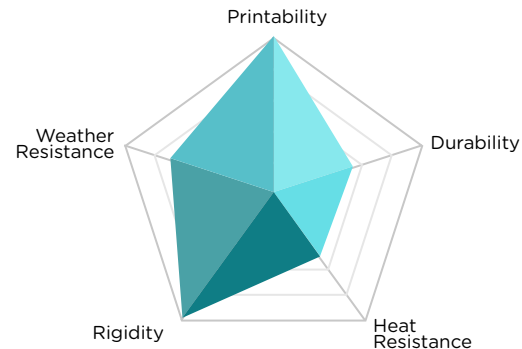
PolyLite™ PLA Pro

Regular A collection of commonly used colors.

Black	Cold White	White	Grey	Red	Light Blue	Dark Purple

Blue	Blue-Green	Green	Light Green	Purple	Magenta	Light Red

Brown	3D Print General Flat Dark Earth	Polymaker Teal	Yellow	Light Yellow	Orange	Army Green

Army
Beige

Dark
Grey

Pink
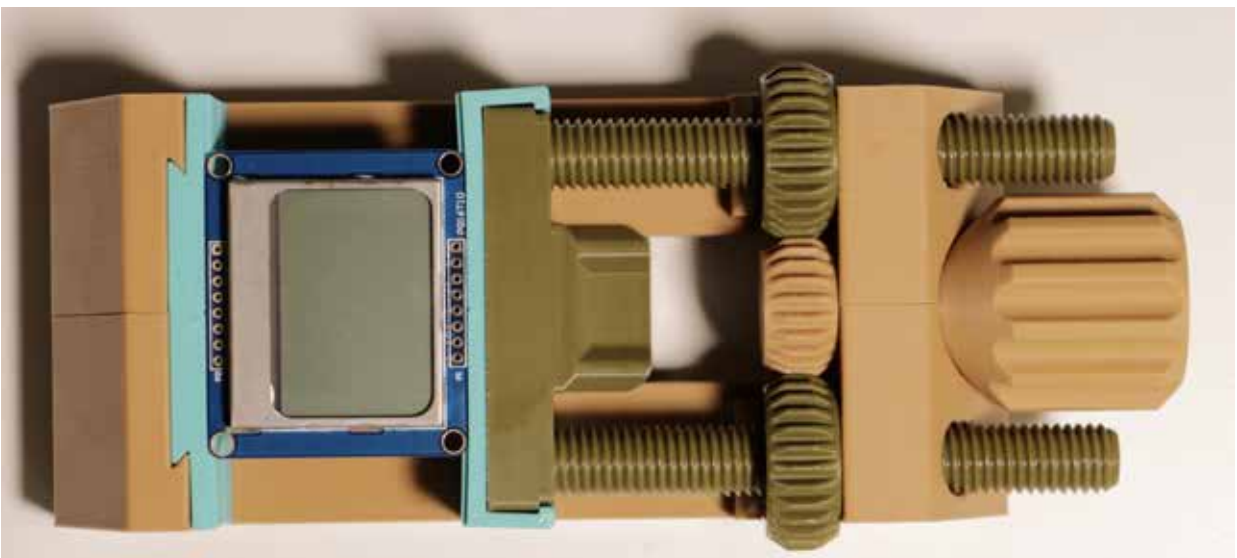
Metallic   A collection of shimmering colors with a metallic luster.

Metallic Green	LM Sparkle Green	Metallic Magenta	Bronze	Silver	Metallic Red	Metallic Blue

Gold	Metallic Black	Metallic Chrome	Metallic Magenta

Material: PolyLite™ PLA Pro   **Range:** Professional

PolyLite™ PLA-CF

Excellent rigidity

From renewable sources

Prints reliably

Description

PolyLite™ PLA-CF is a PLA filament that's reinforced with 8% milled carbon fibers. This not only boosts the rigidity of the filament, but it also produces parts with a beautiful carbon black surface finish. The carbon fibers help reduce shrinkage during printing, producing extremely dimensionally accurate 3D printed parts with a unique surface finish.

Printing Settings

Printing temp.:	190-230˚C
Printing speed:	30-70mm/s
Bed temp.:	25-50˚C
Chamber temp.:	N/A
Fan:	ON
Drying settings:	55°C for 6h
Annealing:	N/A

Material Properties
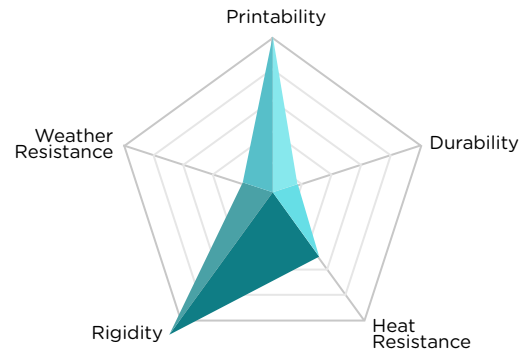
PolyLite™ PLA-CF

Regular   A collection of commonly used colors.

Black

PolyLite™ LW-PLA

Low density

Matte surface

Good printability

Description

PolyLite™ LW-PLA is a low-density PLA that uses Polymaker's Stabilized Foaming™ technology. This technology allows the PLA to re-foam after extrusion introducing a lattice foam structure that decreases the density by 30%. It prints using regular PLA settings and also produces a naturally matte surface finish which can hide the layer lines. LW-PLA is the perfect candidate where weight is critical and is popular among aerodynamicists.

Printing Settings

Printing temp.:	190-210˚C
Printing speed:	30-50mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	55°C for 6h
Annealing:	N/A

Material Properties
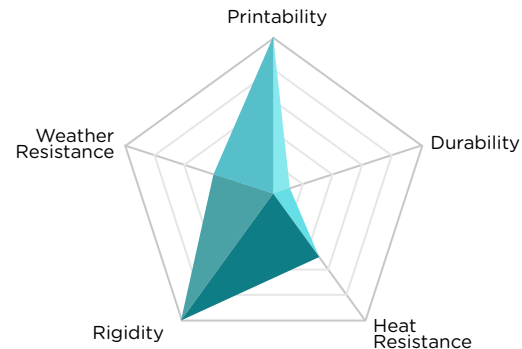
PolyLite™ LW-PLA

Regular A collection of commonly used colors.

Black	White	Grey	Bright Red	Bright Yellow	Bright Orange	Wood

Bright Green

PolyLite™ CosPLA

Easy to Sand

Good printability

Great Paint Adhesion

@Carlos3DPrint

Description

CosPLA consists of two specially developed formulas that provide the perfect solution for 3D printing cosplay. Version A has excellent sanding characteristics, allowing quick post-processing of helmets and detailed parts. Version B is a tougher PLA that is more suited to swords, hammers and armour which might encounter some impacts or cosplay that requires more strength.

Printing Settings

Printing temp.:	190-230°C
Printing speed:	30-70mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	55°C for 6h
Annealing:	N/A

Material Properties
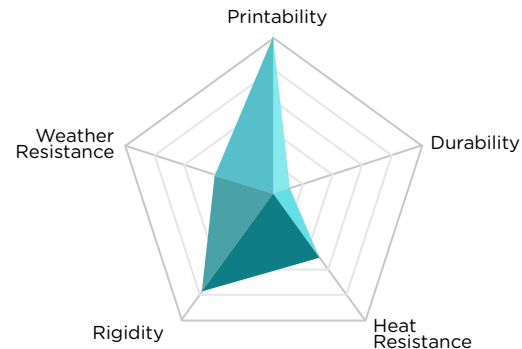
PolyLite™ CosPLA

Regular   A collection of commonly used colors.

Grey

85

86

PolyLite™ PETG

Excellent all-rounder

Good layer adhesion

Good light diffusion

@hakalan

Description

PolyLite™ PETG is an affordable PETG filament with balanced mechanical properties and ease of printing. PolyLite™ PETG is just as easy to print as PolyLite™ PLA while offering an additional 20˚C heat resistance and more durability. This lends PolyLite™ PETG to more functional applications where PLA would lack the durability or heat resistance such as lighting fixtures, vibrational parts or more functional product design prototypes.

Printing Settings

Printing temp.:	230-240°C
Printing speed:	30-50mm/s
Bed temp.:	70-80°C
Chamber temp.:	N/A
Fan:	Turn off-20%
Drying settings:	65°C for 6h
Annealing:	N/A

Material Properties
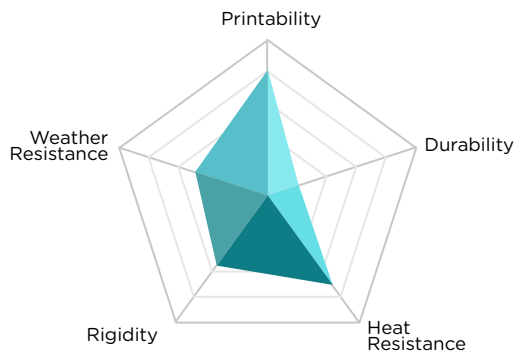
PolyLite™ PETG

Regular A collection of commonly used colors.

Black	White	Dark Grey	Grey	Silver	Red	Blue
Green	Purple	Teal	Electric Blue	Yellow	Gold	Magenta
Pink	Orange	Dark Purple	Lime			

Transluscent   A collection of semi-transparent colors.

Translucent
Green

Translucent
Red

Translucent
Blue

Clear

Metallic   A collection of shimmering colors with a metallic luster.

Dark Green   Dark Blue

PolyLite™ ABS

Heat resistant

Impact resistant

Machinable
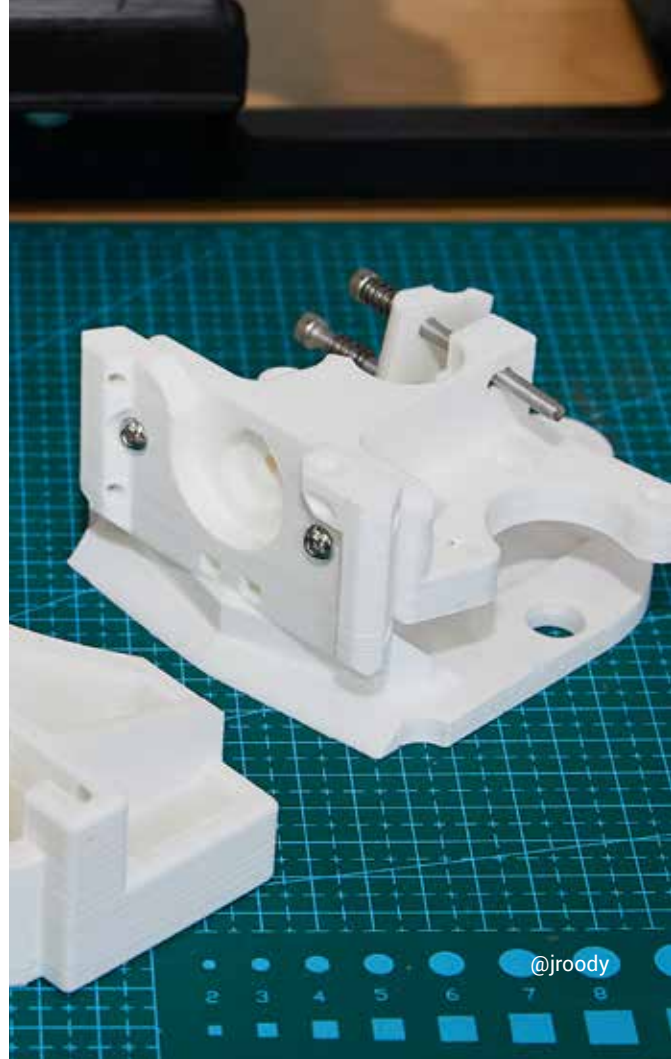
@jroody

Description

PolyLite™ ABS is made with a specialty bulk-polymerized ABS resin, which has significantly lower volatile content compared to traditional ABS resins. It delivers excellent printing quality with minimal odor during printing. Combining impact resistance with heat resistance (~100˚C), PolyLite™ ABS is a good choice for mechanical parts, robotics, functional prototyping or home appliance spare parts.

Printing Settings

Printing temp.:	245-265°C
Printing speed:	30-50mm/s
Bed temp.:	90-100°C
Chamber temp.:	N/A
Fan:	Off
Drying settings:	70°C for 6h
Annealing:	N/A

Material Properties
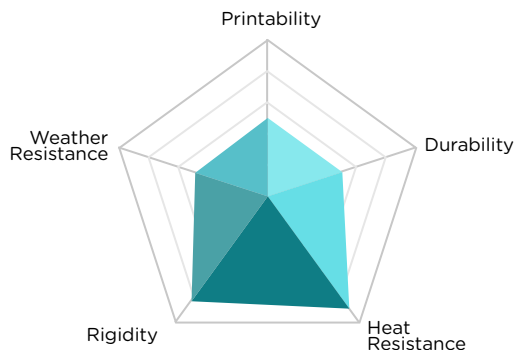
PolyLite™ ABS

Regular   A collection of commonly used colors.

Black	White	Dark Grey	Grey	Red	Pink	Blue

Light Blue	Teal	Green	Lime	Orange	Gold	Natural

Yellow	Dark Purple	Purple

Galaxy   A collection of colors displaying a sparkling effect with a hint of glitter.

Galaxy
Dark Grey

Galaxy
Teal

Galaxy
Orange

Galaxy
Purple

Neon   A collection of colors exhibiting bright colors under sunlight and neon under UV light.

Neon
Magenta

Neon
Orange

Neon
Yellow

Neon
Green

Metallic   A collection of shimmering colors with a metallic luster.

Metallic
Green

Metallic
Blue

Material: PolyLite™ ABS

Range: Professional

PolyLite™ ASA

UV resistant

Water resistant

Good thermal and mechanical properties

Description

PolyLite™ ASA is an alternative to ABS with an improved weather resistance. Its UV resistance and excellent mechanical properties make it the perfect choice for outdoor applications. PolyLite™ ASA has the same mechanical and thermal properties as PolyLite™ ABS with the ability to resist sunlight (UV) and weather in general. Its good weather resistance makes it ideal for parts that need to weather the elements.

Printing Settings

Printing temp.:	240-260°C
Printing speed:	30-50mm/s
Bed temp.:	75-95°C
Chamber temp.:	N/A
Fan:	Off
Drying settings:	70°C for 6h
Annealing:	N/A

Material Properties
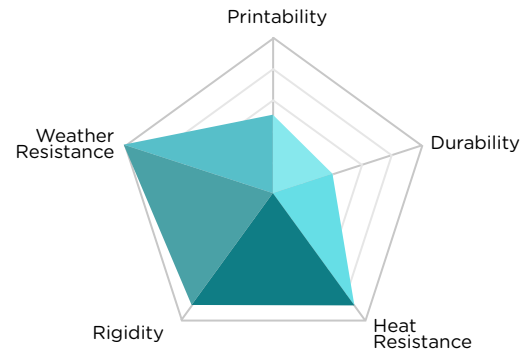
PolyLite™ ASA

Regular A collection of commonly used colors.

Black	Jet Black	White	Grey	Dark Grey	Red	Blue
Polymak-er Teal	Green	Dark Grey Green	Purple	Olive Brown	Natural	Orange
Yellow	Pop Blue	Pop Pink	Pop Green	Army Green	Army Brown	Dark Purple

Galaxy A collection of colors displaying a sparkling effect with a hint of glitter.

Galaxy
Green

Galaxy
Red

Galaxy
Blue

Galaxy
Black

PolyLite™ PC

Heat resistant

Good light diffusion

Stiff and strong

Description

PolyLite™ PC is produced using a polycarbonate resin that's specifically engineered for 3D printing. It delivers high stiffness and high heat resistance and due to its naturally transparent characteristics it can diffuse light very efficiently making it perfect for lighting and lampshade applications. Printing large PC parts will require an enclosed chamber.

Printing Settings

Printing temp.:	250-270°C
Printing speed:	30-50mm/s
Bed temp.:	90-105°C
Chamber temp.:	N/A
Fan:	Off
Drying settings:	75°C for 6h
Annealing:	90°C for 2h

Material Properties
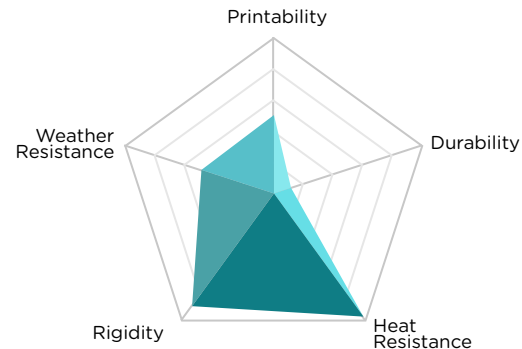
PolyLite™ PC

Regular   A collection of commonly used colors.

Transparent

PolyMax™

PolyMax™ is a family of advanced 3D printing filaments produced with Polymaker's Nano-Reinforcement technology. This technology boosts the toughness of your 3D printed parts to deliver exceptional mechanical properties and printing quality. Covering some of the most commonly used 3D printing materials, each offering best in class mechanical properties.

PolyMax™ PLA

Extremely tough
PLA

Good printability

Prints reliably

Description

PolyMax™ PLA is the pinnacle of our PLA range, mechanically outperforming ABS while still carrying the ease of use printing characteristics of PLA. Compared to regular PLA, PolyMax™ PLA has 5 times the durability, allowing your 3D printed parts to absorb significant impacts without displaying brittleness.

Printing Settings

Printing temp.:	190-230°C
Printing speed:	40-60mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	55°C for 6h
Annealing:	N/A

Material Properties
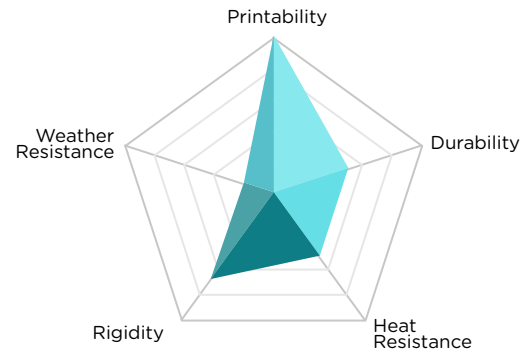
PolyMax™ PLA

Regular   A collection of commonly used colors.

| Black | White | Grey | Red | Pink | Blue | Green |

| Orange | Yellow | Polymaker Teal | Purple | FDE Beige |

PolyMax™ PETG

Extremely tough PETG

Excellent all-rounder

Good layer adhesion

Description

PolyMax™ PETG offers better mechanical properties than any other PETG making it a good candidate for a wide range of applications. PolyMax™ PETG is a very good all-rounder providing: ease of printing, heat resistance, durability and strength. It can be used for a wide range of applications covering functional prototyping, end-use products, brackets, spare parts, and robotic parts.

Printing Settings

Printing temp.:	230-240°C
Printing speed:	30-50mm/s
Bed temp.:	70-80°C
Chamber temp.:	N/A
Fan:	Turn off - 20%
Drying settings:	65°C for 6h
Annealing:	N/A

Material Properties
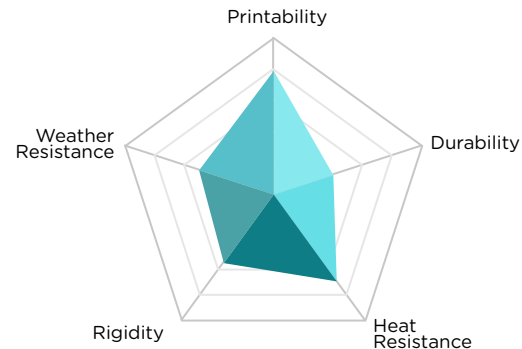
PolyMax™ PETG

Regular   A collection of commonly used colors.

Black

White

PolyMax™ PETG-ESD

Extremely tough PETG

ESD Safety

Excellent all-rounder
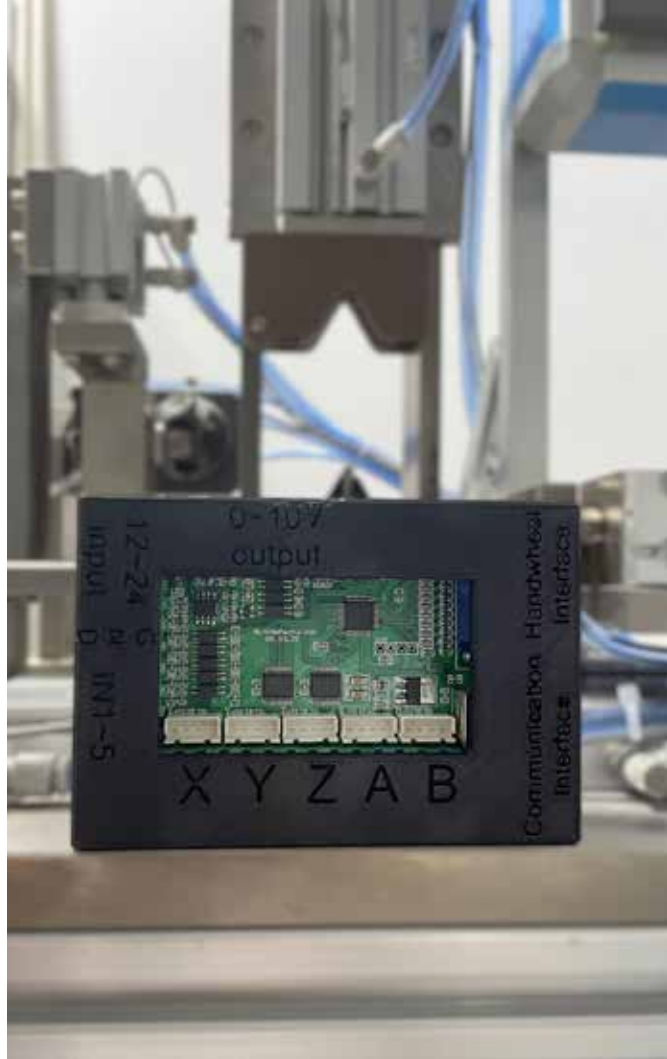
Description

PolyMax™ PETG-ESD pairs electrostatic dissipation (ESD) with an improved toughness PETG. PolyMax™ PETG-ESD is compounded with carbon nanotubes that allow it to dissipate electrostatic charges thanks to its very low surface resistivity. This innate property offers protection to delicate electronics during the electronic assembly processes or when used for printed electronic housings.

Printing Settings

Printing temp.: 250-290˚C

Printing speed: 30-50mm/s

Bed temp.: 70-80˚C

Chamber temp.: N/A

Fan: OFF

Drying settings: 65˚C for 6h

Annealing: N/A

Material Properties

PolyMax™ PETG-ESD

Regular A collection of commonly used colors.

Black

Text visible on the device:

0~10V
output

12~24
Input

G
2

D

IN1~5

X Y Z A B

Communication Handwheel Interface

Communication Handwheel Interface.

Side margin text:
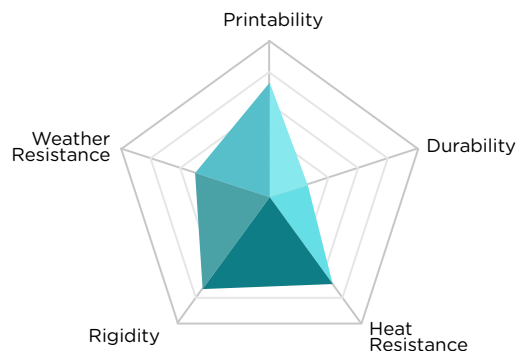
Material: PolyMax™ PETG-ESD **Range:** Professional

121
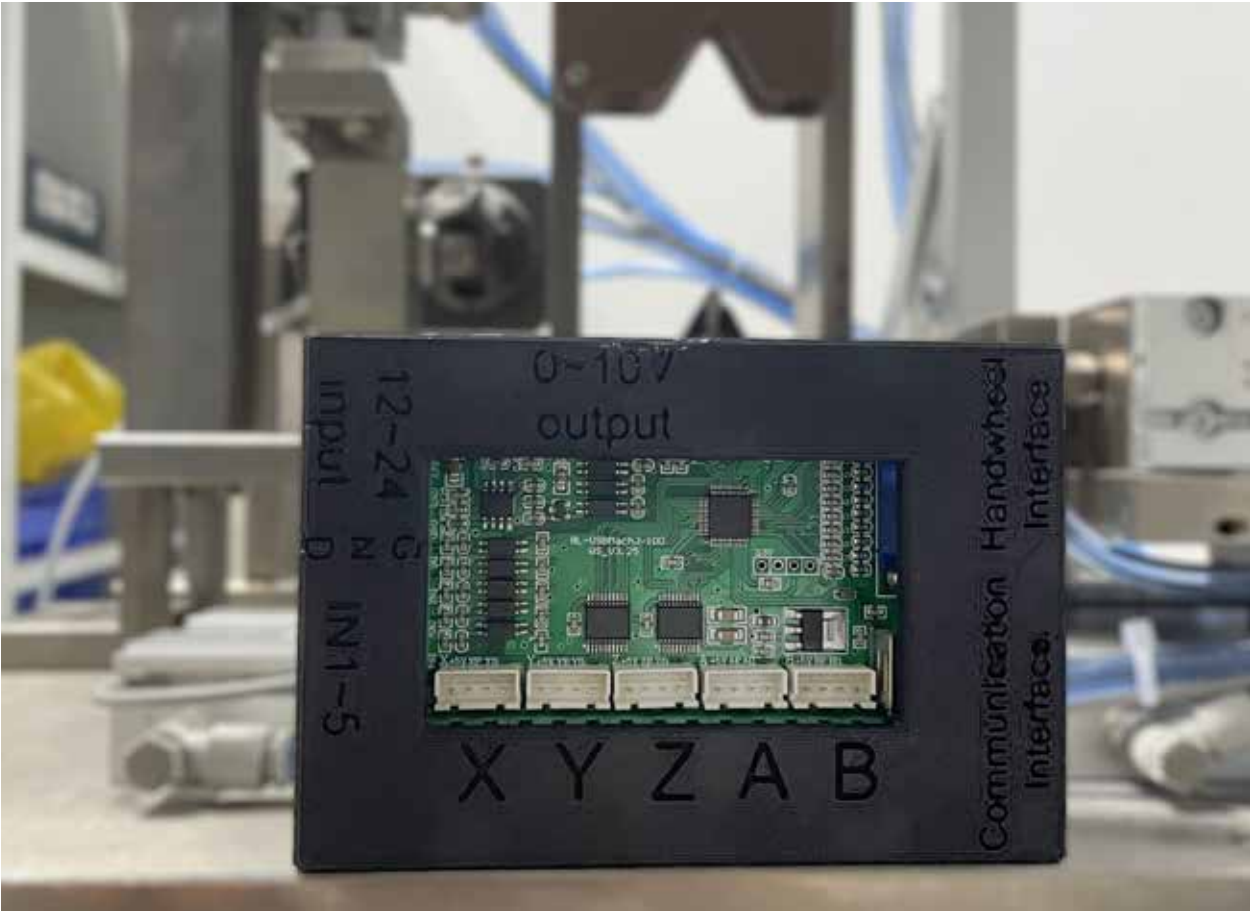
PolyMax™ PC

Extremely tough PC

Heat resistant

Good layer adhesion

Description

PolyMax™ PC is an engineering PC filament combining excellent strength, toughness, heat resistance and printing quality. It outperforms many other choices of PC while still printing at a relatively low printing temperature. With a softening point of 113°C it can operate in demanding environments where impact resistance, heat resistance and vibration resistance is required.

Printing Settings

Printing temp.:	250-270°C
Printing speed:	30-50mm/s
Bed temp.:	90-105°C
Chamber temp.:	N/A
Fan:	Off
Drying settings:	75°C for 6h
Annealing:	90°C for 2h

Material Properties
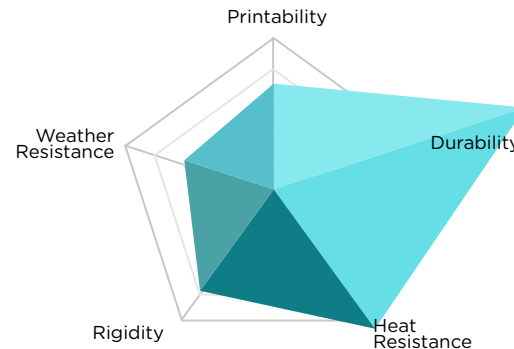
PolyMax™ PC

Regular A collection of commonly used colors.

| Black | White | Grey | Red | Blue |

PolyMax™ PC-FR

Flame retardant

Heat resistant

Strong and tough
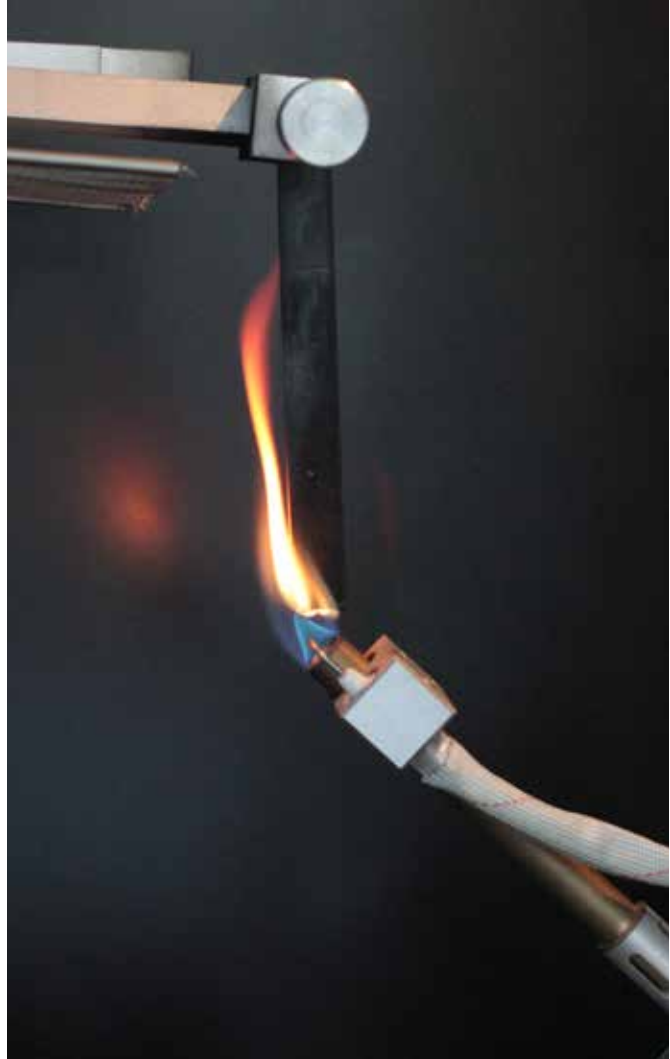
Description

PolyMax™ PC-FR is a fire-retardant PC filament displaying strength and toughness whilst also achieving a V0 score in the UL94 flame retardancy test. PolyMax™ PC-FR can reduce the intensity of a fire or slow/stop the spread of fire due to its self-extinguishing characteristics.

Printing Settings

Printing temp.:	250-270°C
Printing speed:	30-50mm/s
Bed temp.:	90-105°C
Chamber temp.:	90-100°C
Fan:	Off
Drying settings:	75°C for 6h
Annealing:	90°C for 2h

Material Properties
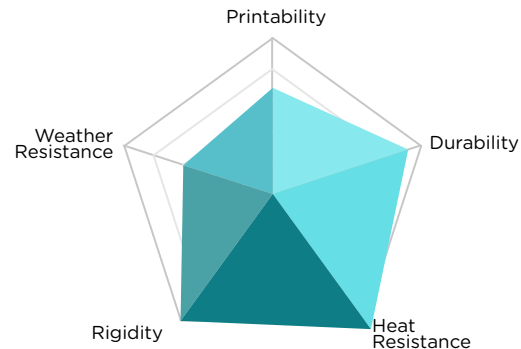
PolyMax™ PC-FR

Regular   A collection of commonly used colors.

Black

White

@SamPurdie

PolyFlex™

PolyFlex™ is a family of high-quality flexible materials that that allows your 3D printed parts to take on new shapes after printing. Flexible materials are extremely durable and cannot be measured in the same way as other filaments. The PolyFlex™ family offers some flexibility to your designs allowing you to stretch your ideas even further.

PolyFlex™ TPU90

Flexible with shore 90A

Good printability

UV resistance

@3DPrintNovesia

Description

PolyFlex™ TPU90, created from Covestro's Addigy® TPU family offers the highest degree of flexability in the PolyFlex™ family. With a shore hardness of 90A and an elongation to break of 585% this flexible filament is extremely soft while still being printable. TPU90 is certified with ISO10993 allowing it to be used for medical and skin contact devices.

Printing Settings

Printing temp.:	210-230°C
Printing speed:	30-60mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	70°C for 8h
Annealing:	N/A

Material Properties
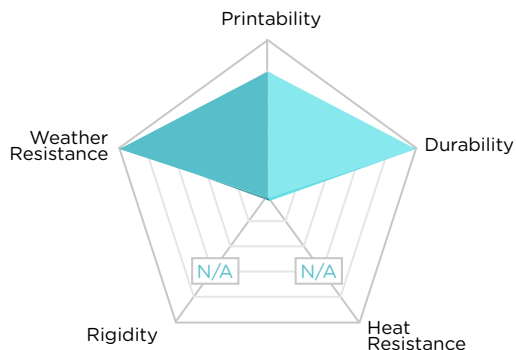
PolyFlex™ TPU90

Regular A collection of commonly used colors.

| Black | White | Grey | Polymaker Teal | Clear |

PolyFlex™ TPU95

Flexible with shore 95A

Good printability

Extremely durable

@3DPrintNovesia

Description

PolyFlex™ TPU95 is a flexible filament with a shore hardness of 95A which suits it perfectly to most flexible applications. Fine tuning the wall thickness and infill when printing can adjust the flexibility of your printed part further. TPU95 is extremely durable and able to stretch more than 3 times its original length without breaking.

Printing Settings

Printing temp.:	210-230°C
Printing speed:	20-40mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	70°C for 8h
Annealing:	N/A

Material Properties
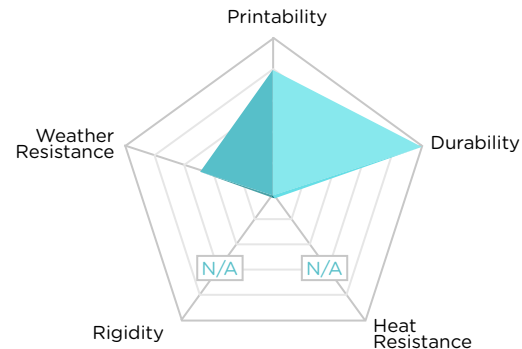
PolyFlex™ TPU95

Regular A collection of commonly used colors.

| Black | White | Red | Blue | Yellow | Orange | Pink |

Flexible and easy to print

PolyFlex™ TPU95-HF

Flexible with shore 95A

High flow

UV resistance

Description

HF stands for High flow and this flexible filament has a melt index higher than some PLA filaments. This means it can be printed faster than all other flexible filaments and all printing characteristics, such as, retraction and overhangs are improved. Created from Covestro's Addigy® family, TPU95-HF offers a combination of UV resistance, flexibility and high-speed printing.

Printing Settings

Printing temp.:	200-220°C
Printing speed:	40-100mm/s
Bed temp.:	25-50°C
Chamber temp.:	N/A
Fan:	ON
Drying settings:	70°C for 8h
Annealing:	N/A

Material Properties
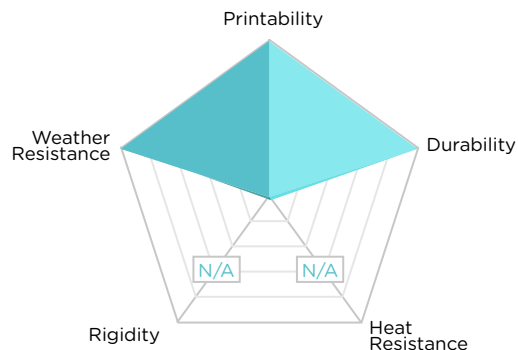
PolyFlex™ TPU95-HF

Regular   A collection of commonly used colors.

Black

White

143

PolyMide™

PolyMide™ is a family of Nylon/polyamide based filaments. Produced with Polymaker's Warp-Free™ technology, PolyMide™ filaments deliver engineering properties intrinsic to Nylon and ease of printing on open and closed bed 3D printers. Nylon offers some of the best mechanical properties of any material and the fiber reinforced materials boost these properties even further.

PolyMide™ CoPA

High heat resistance

Balanced mechanical properties

Dimensionally stable during printing

Description

PolyMide™ CoPA is a copolymer of Nylon 6 and Nylon 6,6 combining high tensile strength properties from Nylon 6 with heat resistance properties from Nylon 6.6. Warp-Free™ technology provides ease of printing by slowing down the crystallization allowing CoPA to be easily printed on open bed printers. Displaying outstanding mechanical and thermal properties, CoPA is suited for parts in demanding environments.

Printing Settings

Printing temp.:	250-270°C
Printing speed:	30-60mm/s
Bed temp.:	25-50°C
Chamber temp.:	N/A
Fan:	Off
Drying settings:	100°C for 8h
Annealing:	80°C for 6h

Material Properties

Dry state
Wet state

Printability
Durability
Heat Resistance
Rigidity
Weather Resistance
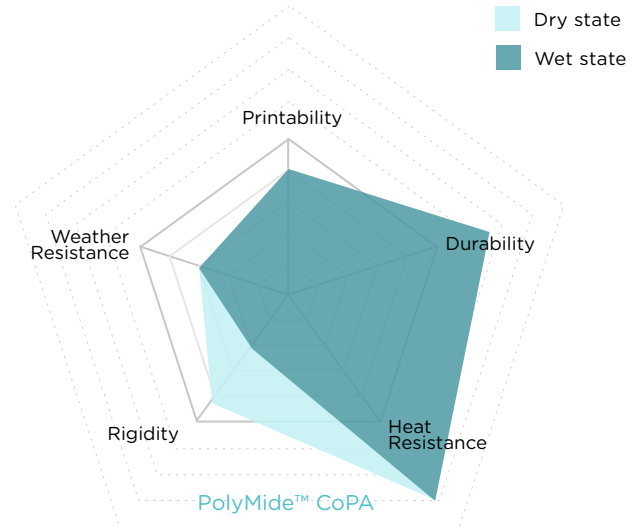
PolyMide™ CoPA

Regular   A collection of commonly used colors.

Black   Natural

Custom Fixtures
PolyMide™ CoPA
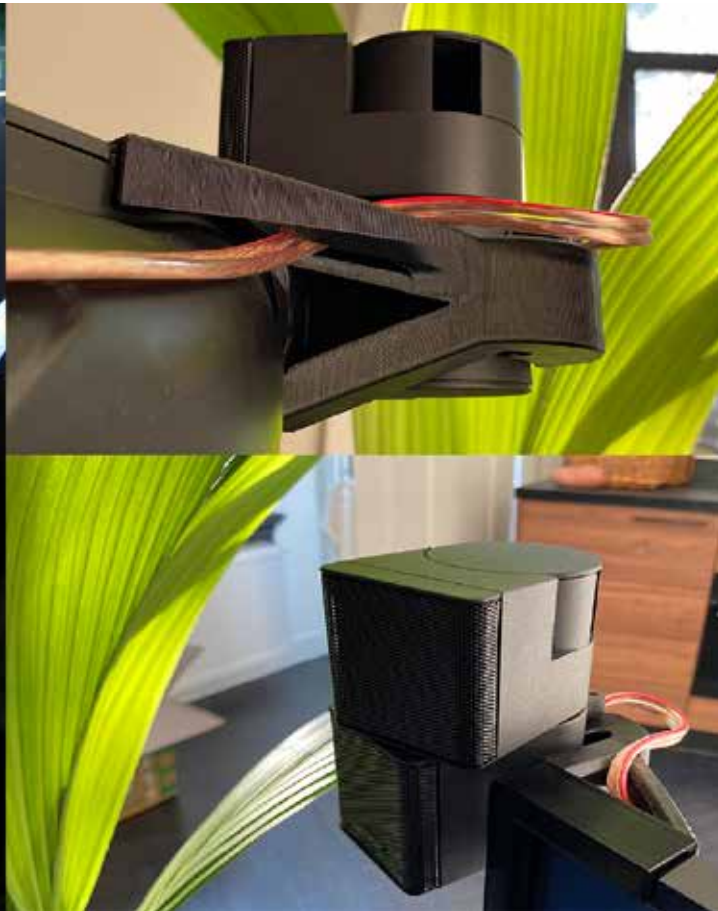
PolyMide™ PA612-CF

Low moisture sensitivity

Excellent mechanical properties

Warp free

Description

PolyMide™ PA612-CF is a carbon fiber reinforced polyamide filament based on a copolymer of PA6 and PA12. Thanks to its chemical structure, this product has lower moisture sensitivity compared to PA6/66 and PA6-based materials, and better mechanical properties than PA12-based materials. In addition, the carbon fiber reinforcement and Warp-free technology enhances the dimensional stability of the prints produced with this material.

Printing Settings

Printing temp.:	250-300°C
Printing speed:	30-60mm/s
Bed temp.:	25-50°C
Chamber temp.:	N/A
Fan:	Off
Drying settings:	100°C for 8h
Annealing:	80°C for 6h

Material Properties

Dry state
Wet state

Printability
Durability
Heat Resistance
Rigidity
Weather Resistance
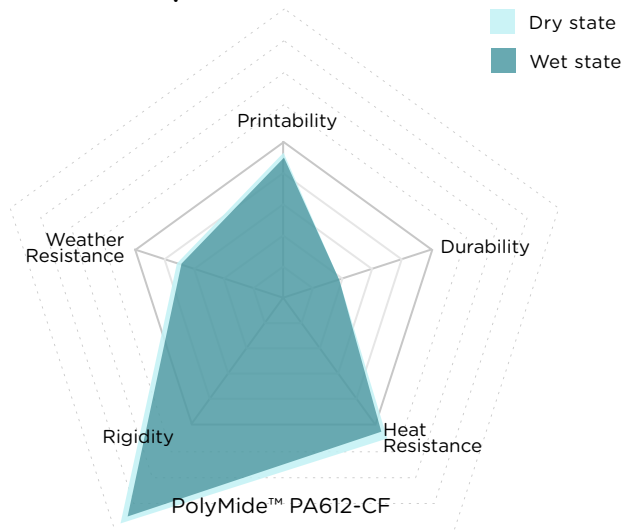
PolyMide™ PA612-CF

Regular   A collection of commonly used colors.

Black

PolyMide™ PA6-GF

Excellent isotropic mechanical properties

High heat resistance

Excellent dimension stability during printing

@HPStar

Description

PolyMide™ PA6-GF is a glass fiber reinforced Nylon 6 filament. The material exhibits excellent thermal and mechanical properties without sacrificing the layer adhesion or printability. PolyMide™ PA6-GF is strong, durable and features a heat deflection temperature of 191°C. It can be used in applications where stiffness and durability are paramount.

Printing Settings

Printing temp.: 280-300°C

Printing speed: 60mm/s

Bed temp.: 30-60°C

Chamber temp.: 25-50°C

Fan: Off

Drying settings: 100°C for 8h

Annealing: 80°C for 6h
*hardened nozzle required

Material Properties

Dry state
Wet state

Printability
Durability
Heat Resistance
Rigidity
Weather Resistance
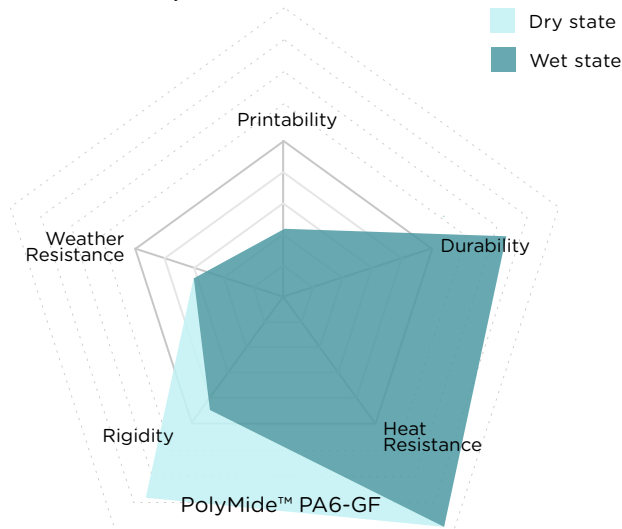
PolyMide™ PA6-GF

Regular   A collection of commonly used colors.

Grey
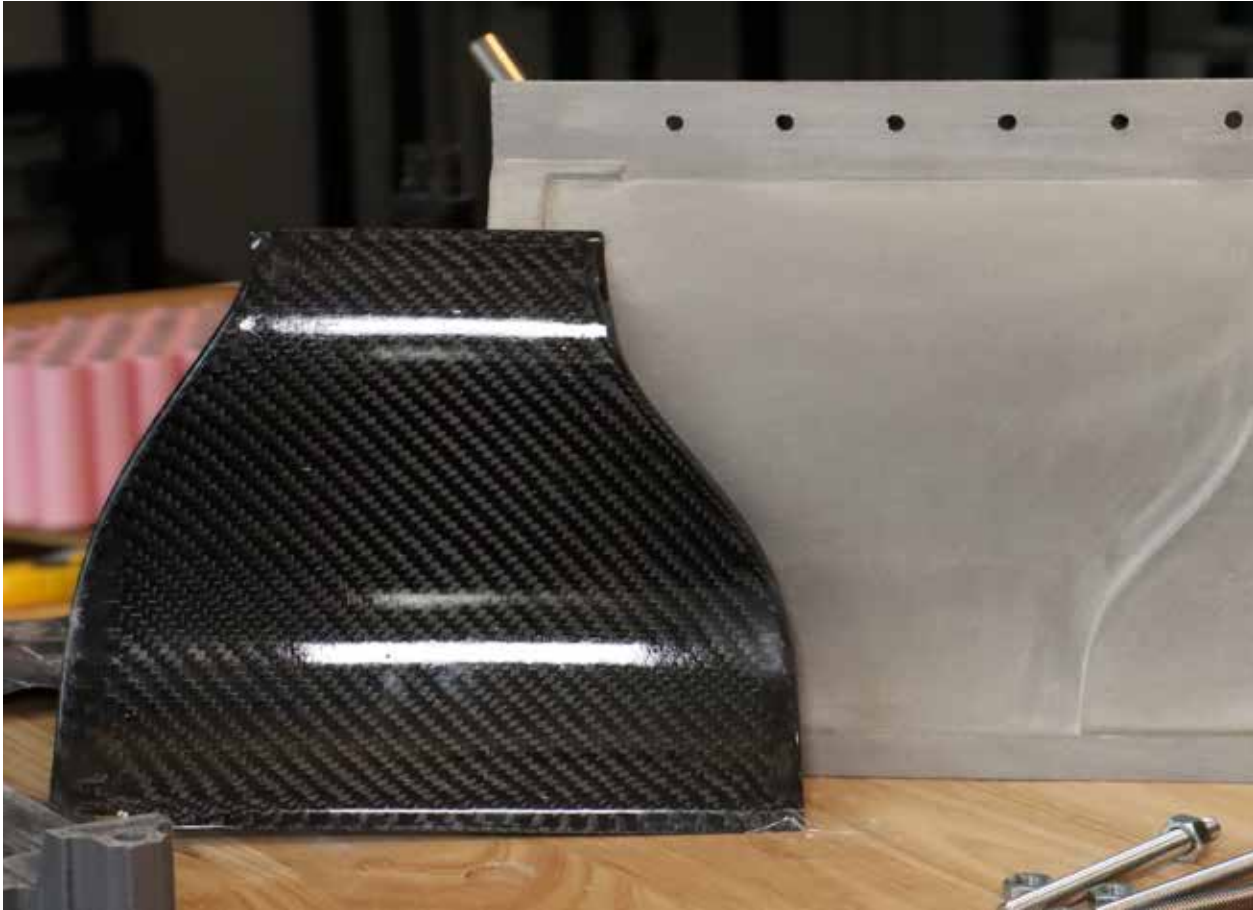
PolyMide™ PA6-CF

Excellent isotropic rigidity

High heat deflection temperature

Excellent dimension stability during printing

@HPStar

Description

PolyMide™ PA6-CF is a 20% carbon fiber reinforced Nylon 6 filament. The carbon fiber reinforcement provides significantly improved stiffness, strength and heat resistance with outstanding layer adhesion thanks to Fiber Adhesion™ Technology. PolyMide™ PA6-CF outperforms almost every 3D printing material, offering extreme durability and functionality while featuring a heat deflection temperature of 215°C.

Printing Settings

Printing temp.:	280-300°C
Printing speed:	25-50mm/s
Bed temp.:	30-60°C
Chamber temp.:	N/A
Fan:	Off
Drying settings:	100°C for 8h
Annealing:	80°C for 6h
	*hardened nozzle required

Material Properties

Dry state
Wet state

Printability
Durability
Heat Resistance
Rigidity
Weather Resistance
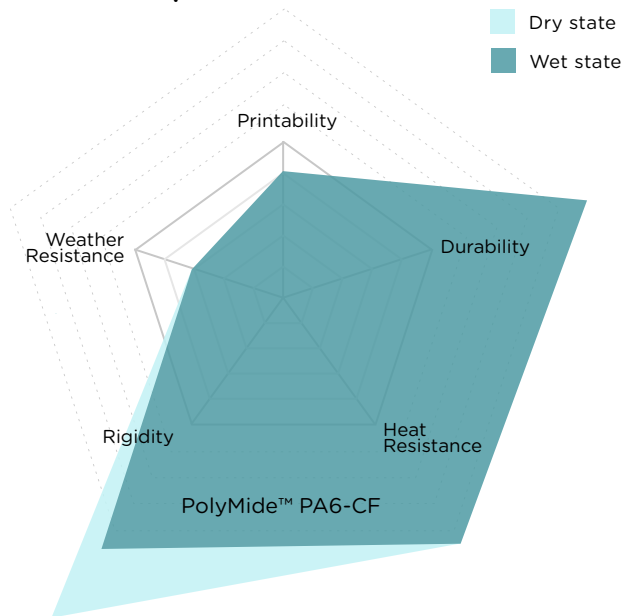
PolyMide™ PA6-CF

Regular   A collection of commonly used colors.

Black

PolyMide™ PA12-CF

Excellent surface
finish

Low moisture
sensitivity

Excellent dimension
stability during
printing

Description

PolyMide™ PA12-CF is a carbon fiber reinforced Nylon 12 filament. The main advantage of Nylon 12 over Nylon 6 filaments is its low moisture sensitivity. This improves the handling, storing and printing capabilities while still offering superior mechanical properties compared to other filaments.

Printing Settings

Printing temp.:	260-300°C
Printing speed:	30-60mm/s
Bed temp.:	25-50°C
Chamber temp.:	N/A
Fan:	Off
Drying settings:	100°C for 8h
Annealing:	80°C for 6h
	*hardened nozzle required

Material Properties

Dry state
Wet state

Printability
Durability
Heat Resistance
Rigidity
Weather Resistance
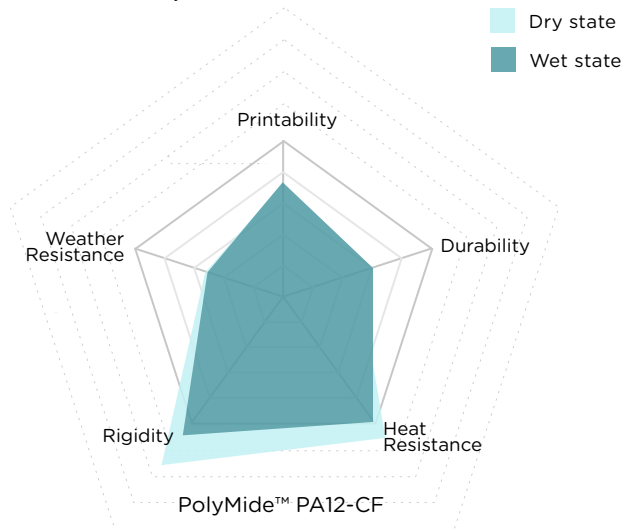
PolyMide™ PA12-CF

Regular   A collection of commonly used colors.

Black

PolyDissolve™

PolyDissolve™ is a family of dissolvable support filaments which can dissolve very quickly in water after printing. This family offers a support solution for complex geometries and internal cavities adding a hands-free support removal process to your printing workflow. By unlocking new geometries, it enables a greater freedom of design where breakaway support might not be accessible after printing.

PolyDissolve™ S1

Compatible with multiple materials

Good solubility

Excellent support interface
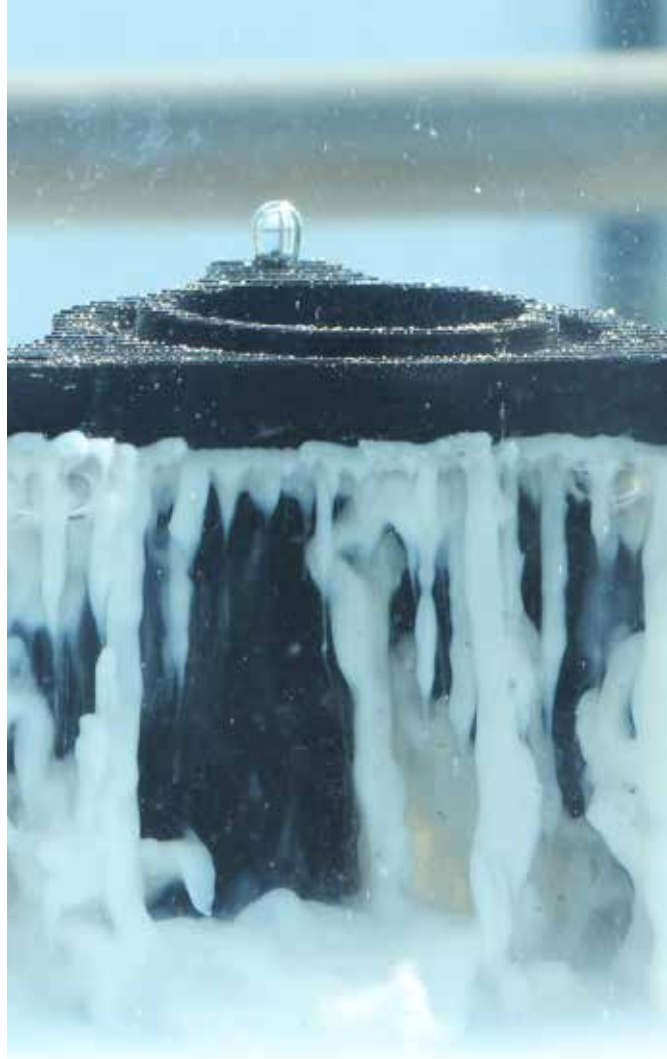
Description

PolyDissolve™ S1 is a water dissolvable support material that's compatible with PLA, TPU, PVB and Nylon filaments from our portfolio. It is specifically engineered to have a perfect interface with these materials, supporting them while printing while also displaying accelerated solubility in room temperature water after printing.

Printing Settings

Printing temp.:	215-225°C
Printing speed:	30-40mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	80°C for 12h
Annealing:	N/A

Compatibility

PLA based material	++
PETG based material	+
ABS/ASA based material	--
PC based material	--
PVB based material	++
TPU based material	++
Short-chain Nylon based material	--
Long-chain Nylon based material	-

From Polymaker™ portfolio

Regular   A collection of commonly used colors.

Natural

Specialty

The Specialty family includes a series of unique filaments from Polymaker that can unlock new 3D printing applications for a range of different industries. Due to their individual abilities these materials cannot be classified like other Polymaker materials as each one displays special characteristics or unique properties.

PolySmooth™

Safe and easy to post process

Good printability

Balanced mechanical properties

@T4CCI_TUA

Description

PolySmooth™ is a unique, easy-to-print filament designed for hands-free post processing with isopropyl alcohol or ethanol. The surface can be smoothed to remove all the layer lines leaving a smooth, glossy, homogenous surface. Figurines with small details or product prototypes that require an injection moulded finish can all benefit from Layer Free™ Technology.

Printing Settings

Printing temp.: 190-220°C

Printing speed: 40-60mm/s

Bed temp.: 25-70°C

Chamber temp.: N/A

Fan: On

Drying settings: 50°C for 12h

Annealing: N/A

Material Properties
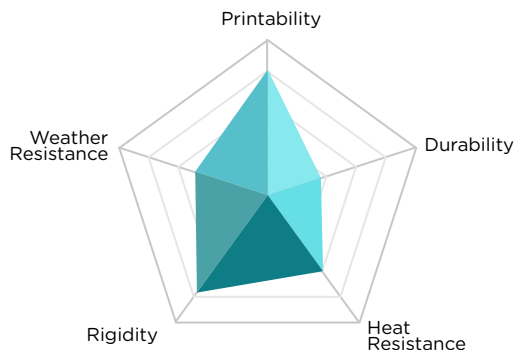
PolySmooth™

Regular A collection of commonly used colors.

Black

White

Slate
Grey

Coral
Red

Pink

Electric
Blue

Green

Polymaker
Teal

Yellow

Orange

Beige

After Polishing

Before Polishing

Transluscent   A collection of semi-transparent colors.

Transparent

Material: PolySmooth™

Range: Professional

PolyWood™

No risk of clogging

Clean matte finish

Light weight

Description

PolyWood™ is a wood mimic filament containing no actual wood powder, which removes all risks of nozzle clogs. PolyWood™ is made entirely with PLA using Polymaker's Stabilized Foaming™ technology which reduces the density of the PLA by 30%. The printed models take on a unique matte surface finish which when printed at high resolution can completely mask the layers.

Printing Settings

Printing temp.: 190-210°C
Printing speed: 30-50mm/s
Bed temp.: 25-60°C
Chamber temp.: N/A
Fan: On
Drying settings: 55°C for 6h
Annealing: N/A

Material Properties
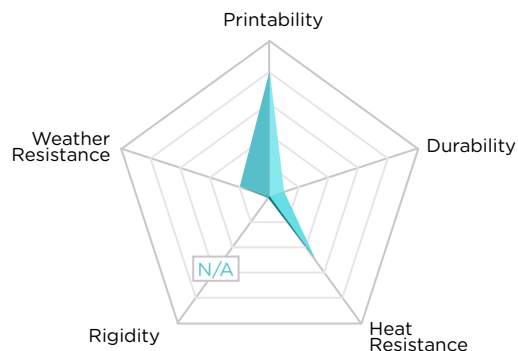
PolyWood™

Regular   A collection of commonly used colors.

Wood

PolyCast™

- Safe and easy to post process
- Good printability
- Burn out cleanly
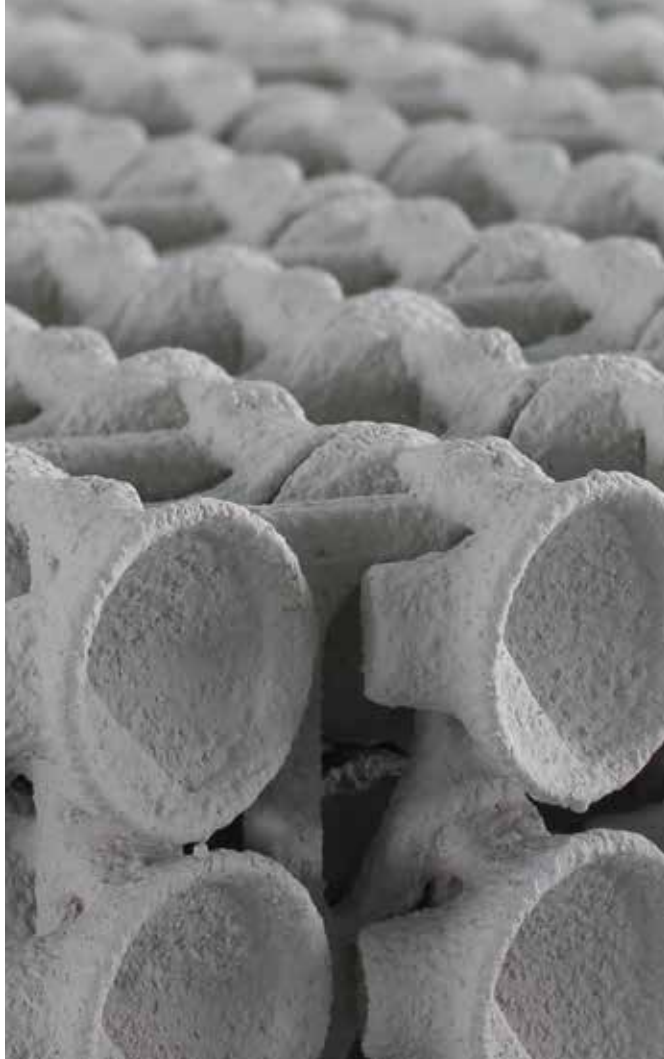
Description

PolyCast™ is an easy to print filament designed specifically for investment casting applications. Featuring Ash Free™ Technology, 3D printed patterns in PolyCast™ can be completely vaporized when vitrifying the ceramic investment, typically leaving an ash residue of <0.003% by weight. PolyCast™ significantly cuts down both the cost and lead time by eliminating wax injection mould tooling process.

Printing Settings

Printing temp.: 190-220°C

Printing speed: 40-60mm/s

Bed temp.: 25-70°C

Chamber temp.: N/A

Fan: On

Drying settings: 50°C for 12h

Annealing: N/A

1. Print

2. Polish

3. Assemble

4. Build Shell

5. Sinter & Burn out

6. Gravity Pouring

7. Knock Out

8. Finish castings
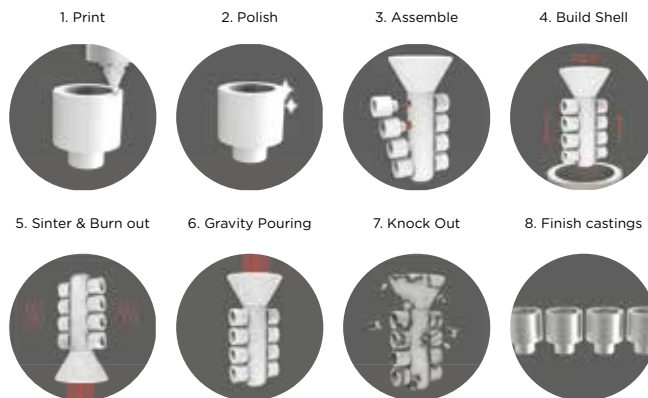
Regular   A collection of commonly used colors.

Natural

PolySupport™

Easy to break away

Good printability

Perfect support interface with PLA
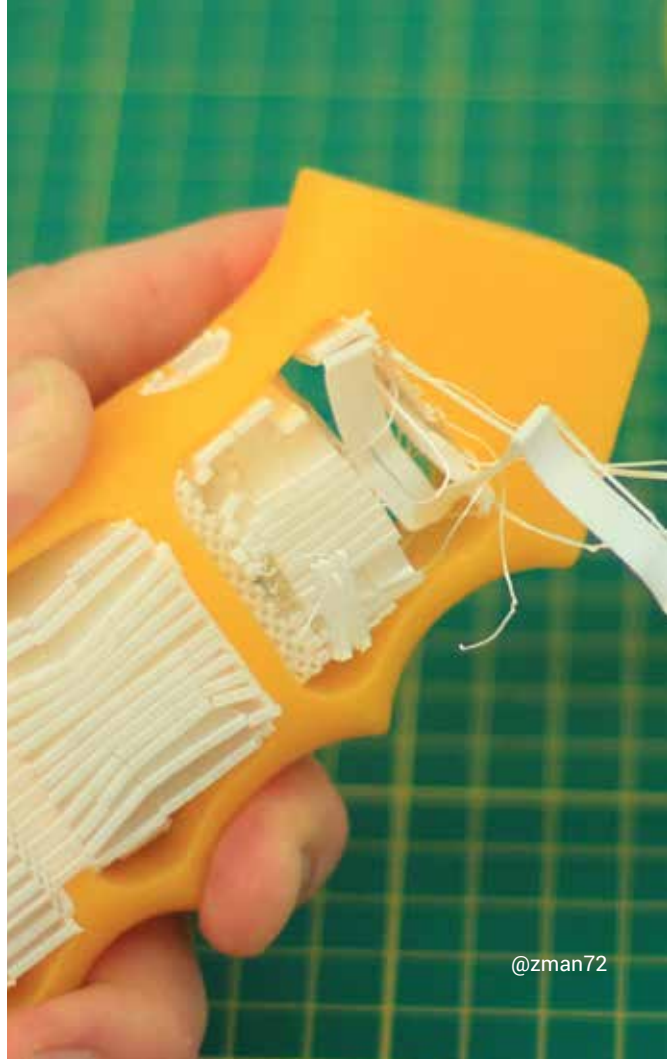
@zman72

Description

PolySupport™ is a break away support for Polymaker PLA based filaments. It has a perfect interface with PLA, strong enough to support it while easily removable by hand, in 9 out of 10 support applications it's the quickest and easiest option. PolySupport™ is also compatible with TPU, PC and PVB based materials from the Polymaker portfolio.

Printing Settings

Printing temp.:	220-230°C
Printing speed:	20-40mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	55°C for 6h
Annealing:	N/A

Compatibility

PLA based material	++
PETG based material	-
ABS/ASA based material	-
PC based material	+
PVB based material	+
TPU based material	+
Short-chain Nylon based material	--
Long-chain Nylon based material	--

From Polymaker™ portfolio

Regular   A collection of commonly used colors.

Pearl
White

PolySupport™ for PA12

Easy to break away

Good printability

Prefect support interface with PA12 based material

Description

PolySupport™ for PA12 is a break away support specifically engineered for PA12 based filaments. It has a perfect interface with long-chain nylons, strong enough to support it and easily removable by hand. PolySupport™ for PA12 prints at a similar temperature to PA12 and is compatible with open, enclosed and heated chambers. The filament is colored green so its easy to see and remove after printing.

Printing Settings

Printing temp.: 270-300˚C

Printing speed: 30-60mm/s

Bed temp.: 50-80˚C

Chamber temp.: N/A

Fan: Off

Drying settings: 100˚C for 8h

Annealing: N/A

Compatibility

PLA based material	NA
PETG based material	NA
ABS/ASA based material	NA
PC based material	NA
PVB based material	NA
TPU based material	NA
Short-chain Nylon based material	NA
Long-chain Nylon based material	++

From Polymaker™ portfolio

Regular   A collection of commonly used colors.

Grass
Green

Polymaker™ PC-ABS

Excellent toughness
and heat resistant

Good surface
finish

Compatible with
metal plating

Description

Polymaker™ PC-ABS is a PC/ABS polymer blend which offers excellent toughness and heat resistance while displaying a good surface finish and good compatibility with metal electroplating. Polymaker™ PC-ABS characteristics make it ideal for automotive interior parts such as dashboard, door handles or instrument panels.

Printing Settings

Printing temp.:	250-270°C
Printing speed:	30-50mm/s
Bed temp.:	90-105°C
Chamber temp.:	90-100°C
Fan:	Off
Drying settings:	75°C for 6h
Annealing:	90°C for 2h

Material Properties
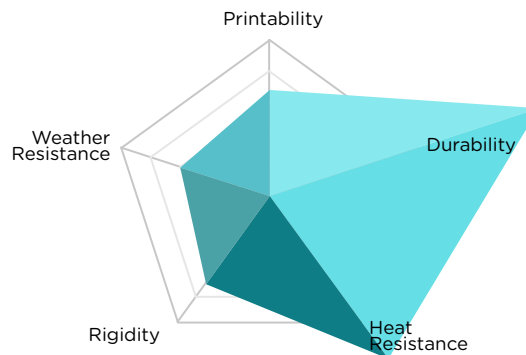
Polymaker™ PC-ABS

Regular   A collection of commonly used colors.

Black   White

Polymaker™ PC-PBT

Good mechanical and thermal properties

Good toughness at low temperature

Good chemical resistance

Description

Polymaker™ PC-PBT is a PC/PBT polymer blend which offers good heat resistance, however, its key feature is toughness at low temperatures (-30˚C) where other plastics would become brittle. PC-PBT also features good chemical resistance and its characteristics make it ideal for automotive exterior parts such as bumpers, roof rail brackets or door handles.

Printing Settings

Printing temp.: 260-280°C

Printing speed: 30-50mm/s
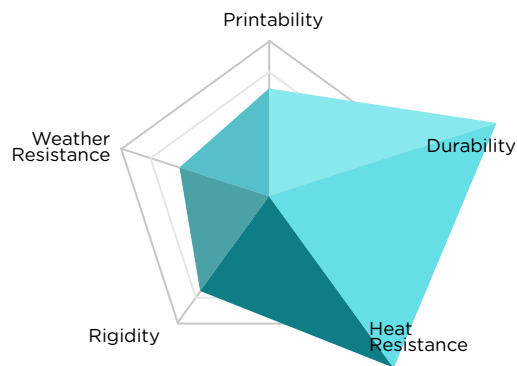
Bed temp.: 100-115°C

Chamber temp.: 100-110°C

Fan: Off

Drying settings: 75°C for 6h

Annealing: 90°C for 2h

Material Properties

Polymaker™ PC-PBT

Regular   A collection of commonly used colors.

Black

Natural

Polymaker™ Draft PLA

Bulk pack

Good printability

Matte surface

Description

Draft PLA is your go-to recycled PLA bulk pack featuring 10 spools of high-quality filament, offering unbeatable value for money. Perfect for daily use, this filament allows easy drafting of prototypes and rapid iteration of designs for form and function. Unlock the power of seamless prototyping with Draft PLA, making your creative process smoother than ever before.

Printing Settings

Printing temp.:	190-230°C
Printing speed:	40-60mm/s
Bed temp.:	25-60°C
Chamber temp.:	N/A
Fan:	On
Drying settings:	55°C for 6h
Annealing:	N/A

Material Properties

Polymaker™ Draft PLA

205
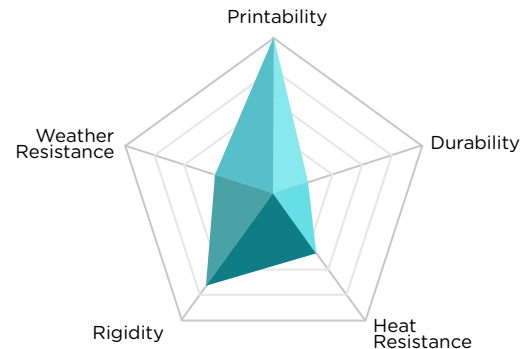
Regular A collection of commonly used colors.

Black

Hardware

Polymaker Hardware family offers 3D printing accessories designed to optimize the user experience with both their 3D printers and their filaments.

What is PolyDryer™ ?

PolyDryer™ is your ultimate 3D filament drying & storage solution which protects against dust and moisture. The product features modular design and consists of two units:

- The Dry Dock, which ensures a stable temperature for quick and even drying, featuring a precise heat control system and PTC heater.
- The PolyDryer™ Box, which offers superior sealing performance and continuous filament protection.

Why we need PolyDryer™ ?

Printing with wet 3D filament can lead to various issues, such as stringing, clogging, and rough or poor surface quality, which is especially noticeable during high-speed printing. PolyDryer™ effectively addresses these challenges by pre-drying the filament, thereby improving the quality of your 3D prints and reducing the impact of external environmental conditions.

PolyDryer™ equipped with 3 features

Modular Design
PolyDryer™ consists of two parts – The Dry Dock and The PolyDryer™ Box. The Dry Dock effectively and evenly dries the filaments in the PolyDryer™ Box above it, while the PolyDryer™ Box can either be used with the dock or be removed for sealing and storing the filaments separately. With this design, you can enjoy the efficient drying and superior sealing of filament dry box and dryer all in one!

Superior Sealing
Safeguard your materials for extended periods of time with PolyDryer™. With its exceptional sealing capability, combined with a high-quality desiccant display, PolyDryer™ maintains optimal humidity levels for up to 30 days and ensures your filaments remain dry and ready for printing. Your filaments fortress against moisture.

Efficient Drying
PolyDryer™ equipped with a high performance drying system-a high precision heat control system, PTC heater and fan to efficiently dry the 3D filament. In addition to pre-drying, filament can also be dried during printing if you press and hold button "M" to activate Continuous Drying Mode, to ensure thorough drying of all filament layers, providing double assurance of material quality.

⏻ PolyDryer™

🔲 Modular Design

💧 Superior Sealing

💧🕒 Efficient Drying

Product Size

235(L) x 120(W) x 290(H) mm

Power Adapter Specification

Input: AC 100-240V, 50/60Hz

Output: DC 24V, 68W

Maximum Working Power

68W

Working Environment

Environmental Temperature: 20℃ - 35℃

Relative humidity: below 90%

Maximum Capacity

205 Φ * 78(H) mm

Conduct Filament Diameter

1.75 / 2.85 / 3.00 mm

Supported Material

PLA / PVB / PETG / ABS / ASA / TPU
/ PA / PC / PVA / PolySupport™
/ PolySupport™ for PA12

Material: PolyDyer™

Range: Professional

PolyBox™

PolyBox™ is a dry storage box designed to provide the optimum environment for 3D printing filaments. The PolyBox™ is compatible with all 3D printers and can house two 1kg spools or one 3kg spool. Featuring 8 ball bearings and a thermo-hygrometer you can print, monitor and store your filaments simultaneously.

Polysher™

The Polysher™ is a desktop post processing unit designed to remove layer lines from PolySmooth™ and PolyCast™ 3d printed parts. The Polysher™ uses Polymaker's Layer-Free™ technology to create a fine mist of alcohol which evenly smooths the model leaving a smooth and glossy surface.

Cardboard Spool Packaging

The replacement of the Cardboard Spool

Green source:
The cardboard used to create the spool and packaging comes from 100% recycled sources and is recyclable after use in generic paper recycling.

Outer design:

The new cardboard spool features a thick, around 3mm pressed and die-cut cardboard spool face, glued onto a strip rolled section of the cardboard tube. The thickness of the cardboard ensures the filament is well protected and the spool can roll very efficiently on all designs of spool holders both internally and externally mounted.
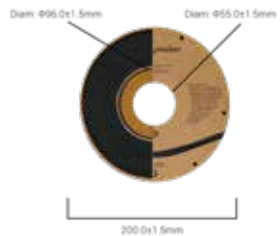
The addition of QR code:

The new spool features a QR code that takes customers to the product information sheet on www.polymaker.com alongside printing profiles, TDS, SDS, and all other documentation relevant to the filament. The paper product information sheet will no longer be shipped inside the packaging further reducing waste.
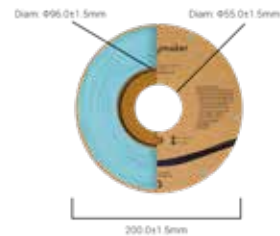
Diam: Φ96.0±1.5mm   Diam: Φ55.0±1.5mm

Spool Weight: **190g±10g**

200.0±1.5mm

65.6±1.5mm

209.0±1.5mm

60.0±2.0mm

223.0±1.5mm

78.0±1.5mm

Diam: Φ96.0±1.5mm   Diam: Φ55.0±1.5mm

Spool Weight: **125g±10g**

200.0±1.5mm

45.0±1.5mm

209.0±1.5mm

50.0±2.0mm

223.0±1.5mm

59.0±1.5mm

500g

600g

Spool Weight: **125g±10g**
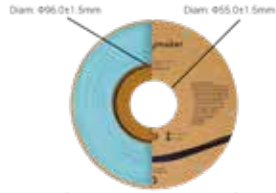
Diam: Φ96.0±1.5mm Diam: Φ55.0±1.5mm

200.0±1.5mm

45.0±1.5mm

50.0±2.0mm

223.0±1.5mm

209.0±1.5mm

59.0±1.5mm

750g

Spool Weight: **140g±10g**
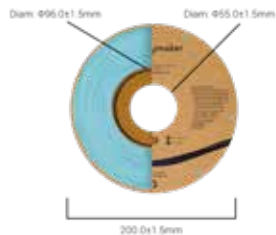
Diam: Φ96.0±1.5mm Diam: Φ55.0±1.5mm

200.0±1.5mm

60.0±1.5mm

65.6±2.0mm

230.0±1.5mm

210.0±1.5mm

80.0±1.5mm

800g

Diam: Φ96.0±1.5mm   Diam: Φ55.0±1.5mm

Spool Weight: **140±10g**

200.0±1.5mm

Diam: Φ160.0±1.5mm   Diam: Φ55.0±1.5mm

Spool Weight: **370g±22g**

250.0±1.5mm

60.0±1.5mm

230.0±1.5mm

210.0±1.5mm

80.0±1.5mm

65.6±2.0mm

110.0±1.5mm

323.0±1.5mm

202.0±1.5mm

146.0±1.5mm

117.2±2.0mm

1kg

2kg

Spool Weight: **440g±22g**

Diam: Φ115.0±1.5mm   Diam: Φ55.0±1.5mm

250.0±1.5mm

110.0±1.5mm

117.2±2.0mm

323.0±1.5mm

302.0±1.5mm

146.0±1.0mm

3kg

Spool Weight: **440g±22g**

Diam: Φ130.0±1.5mm   Diam: Φ16.0±1.5mm

300.0±1.5mm

130.0±1.5mm

160.0±2.0mm

345.0±1.5mm

345.0±1.5mm
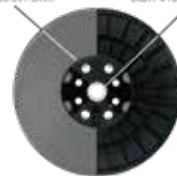
175.0±1.5mm

5kg

Polymaker Offices

Shanghai, China

Changshu, China

Houten, The Netherlands

Houston, USA

Mission

Polymaker is committed to simplifying creation by developing empowering 3D printing & material technologies for industries and consumers.

Contact Us

For any inquiries please contact:

inquiry@polymaker.com

For technical support please contact:

support@polymaker.com

The information provided in this document is intended to serve as basic guidelines on how a particular product can be used. Users can adjust the printing conditions based on their needs and actual situations. It is normal for the product to be used outside of the recommended ranges of conditions. Each user is responsible for determining the safety, lawfulness, technical suitability, and disposal/recycling practices of Polymaker materials for the intended application. Polymaker makes no warranty of any kind, unless announced separately, to the fitness for any particular use or application. Polymaker shall not be made liable for any damage, injury or loss induced from the use of Polymaker materials in any particular application.

Simplify Creation