



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.





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

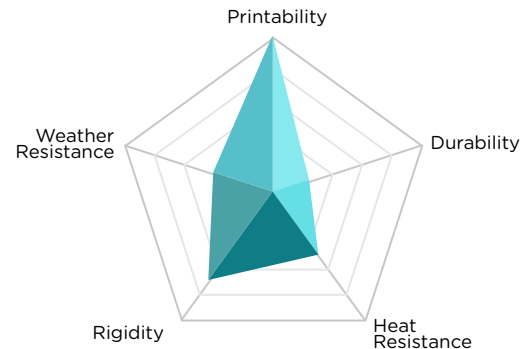
Chamber temp.: N/A

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



Forrest
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





Muted A collection of grey, understated colors.



Muted White



Muted Red



Muted Blue



Muted Green



Muted Purple



Pastel A collection of soft, light and low saturated colors.



Watermelon



Ice



Peach



Candy



Mint



Banana



Peanut



Marble A collection of colors mimicking the texture of marble.



Marble
White



Marble
Slate Grey



Gradient A collection of colors displaying different colors in segments during printing



Cappuccino



Pastel Rainbow



Spring



Summer



Fall



Winter





Dual A collection of colors displaying 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 characters.



Dual Gradient
Wood

