

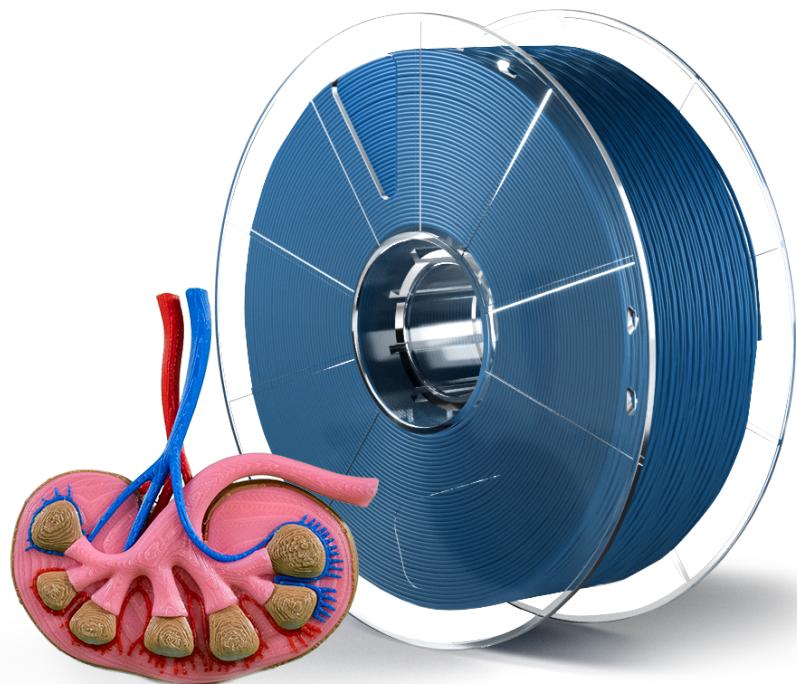
Mosaic PLA

DESCRIPTION

Mosaic PLA is an environmentally friendly biopolymer-based material that offers a wide range of applications. Its rigidity and ease of printing make it perfect for rapid prototyping, while its vibrant color options make it ideal for cosmetic parts.

KEY FEATURES

- ✓ Easy to Print
- ✓ Stiff
- ✓ Economical
- ✓ Low Shrinkage
- ✓ Matte Finish



SAMPLE APPLICATIONS

- ✓ Prototyping
- ✓ Architectural Models
- ✓ Cosmetic parts
- ✓ Educational Models

FILAMENT SPECIFICATIONS

Diameter	Tolerance
1.75 mm	+/- 0.03 mm

PRINTING GUIDELINES

Slicer Profile	Available on canvas3d.io
Nozzle Temperature	215°C
Heated Chamber	Not Recommended
Build Surface	Element Bed Type I, with glue stick
Special Considerations	For best results on overhanging geometries, print with the door and/or lid of Element open to encourage more air flow for part cooling.

STORAGE/HANDLING CONSIDERATIONS

Hygroscopicity	Low
Drying Temperature	70°C
Drying Time	6 Hours

Note: When not in use, spool should be stored in a Mosaic Material Pod or inside a vacuum sealed container.

MATERIAL PROPERTIES

Property	Standard	Typical Value
Density	ISO 1183	1.31 g/cc
Tensile Strength, Break	ISO 527	25.85 MPa
Tensile Modulus	ISO 527	1925 MPa
Elongation at Break	ISO 527	31.30%
Heat Deflection Temp.	ISO 75 (@1.8MPa)	51.8°C

MULTI-MATERIAL COMPATIBILITY

AUTOMATION

Same-material Automated Changeover	With Material Pod
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SUPPORTS

Same-Material Support	Yes
Compatible Soluble Materials	Dissolve LT (water-soluble)
Compatible Breakaway Materials	None

CONTACT INFORMATION

Technical Point of Contact

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