

Mosaic FR-PC

DESCRIPTION

Mosaic FR-PC, is a high-performance material with high-toughness, heat resistance, strength and a V0 performance rating in the UL94 flame retardancy test.

KEY FEATURES

- ✓ Strong
- ✓ High thermal resistance
- ✓ Tough
- ✓ Heat-Resistant
- ✓ UL 94-V0 fire retardant

SAMPLE APPLICATIONS

- ✓ Light housings
- ✓ High temperature environments
- ✓ Mechanical components
- ✓ Structural parts



FILAMENT SPECIFICATIONS

Diameter	Tolerance
1.75 mm	+/- 0.05 mm

PRINTING GUIDELINES

Slicer Profile	Available on canvas3d.io
Nozzle Temperature	290°C
Heated Chamber	Recommended
Build Surface	Element Bed Type I, with glue stick
Special Considerations	N/A

STORAGE/HANDLING CONSIDERATIONS

Hygroscopicity	Moderate
Drying Temperature	75°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	1.12 g/cc
Tensile Strength, Break	ISO 527	71.19 MPa
Tensile Modulus	ISO 527	2694 MPa
Elongation at Break	ISO 527	10.77%
Heat Deflection Temp.	ISO 75 (@1.8MPa)	106.7°C

MULTI-MATERIAL COMPATIBILITY

AUTOMATION

Same-material Automated Changeover	With Material Pod
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SUPPORTS

Same-Material Support	Yes
Compatible Soluble Materials	None
Compatible Breakaway Materials	HIPS

CONTACT INFORMATION

Technical Point of Contact

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