

Mosaic ESD PETG

DESCRIPTION

Mosaic-ESD PETG is a specialized 3D printing material that offers superior mechanical properties compared to regular PETG. Additionally, this material has electrostatic discharge safety properties, which makes it suitable for use in contact with electrical devices.

KEY FEATURES

- ✓ Electrically Dissipative
- ✓ Easy to Print
- ✓ Strong
- ✓ Excellent Surface Quality

SAMPLE APPLICATIONS

- ✓ Jigs and Fixtures
- ✓ Housings
- ✓ Connectors
- ✓ Detection and Measurement Systems
- ✓ Electronics Manufacturing



FILAMENT SPECIFICATIONS

Diameter	Tolerance
1.75 mm	+/- 0.05 mm

PRINTING GUIDELINES

Slicer Profile	Available on canvas3d.io
Nozzle Temperature	270°C
Heated Chamber	Not Required
Build Surface	Element Bed Type I, with glue stick
Special Considerations	N/A

STORAGE/HANDLING CONSIDERATIONS

Hygroscopicity	Moderate
Drying Temperature	65°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	1.24 g/cc
Tensile Strength, Break	ISO 527	39.01 MPa
Tensile Modulus	ISO 527	1994 MPa
Elongation at Break	ISO 527	9.10%
Heat Deflection Temp.	ISO 75 (@1.8MPa)	75.2°C
Surface Resistivity	ANSI ESD S11.11	(3.4 ± 1.2)E+5 Ω

MULTI-MATERIAL COMPATIBILITY

AUTOMATION

Same-material Automated Changeover	With Material Pod
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SUPPORTS

Same-Material Support	Yes
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Compatible Soluble Materials	None
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Compatible Breakaway Materials	None
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CONTACT INFORMATION

Technical Point of Contact

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Warehouse Point of Contact

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