

Mosaic HIPS

DESCRIPTION

Mosaic HIPS is a lightweight and durable material that prints easily with excellent surface quality. Additionally, HIPS can be used as a breakaway support material.

KEY FEATURES

- ✓ Lightweight
- ✓ Excellent Surface Quality
- ✓ Easy to Print
- ✓ Durable

SAMPLE APPLICATIONS

- ✓ Prototyping
- ✓ Packaging
- ✓ Cosmetic parts
- ✓ Breakaway and Double support



FILAMENT SPECIFICATIONS

Diameter	Tolerance
1.75 mm	+/- 0.03 mm

PRINTING GUIDELINES

Slicer Profile	Available on canvas3d.io
Nozzle Temperature	230°C
Heated Chamber	Not Recommended
Build Surface	Element Bed Type I, with glue stick
Special Considerations	HIPS can be used as a standalone material or as a breakaway support for select materials (see Multi-Material Compatibility)

STORAGE/HANDLING CONSIDERATIONS

Hygroscopicity	Low
Drying Temperature	N/A
Drying Time	N/A

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	1.04 g/cc
Tensile Strength, Break	ISO 527	34.62 MPa
Tensile Modulus	ISO 527	1214 MPa
Elongation at Break	ISO 527	12.95%
Heat Deflection Temp.	ISO 75 (@0.45MPa)	79.2°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	ABS, ASA, FR-PC
Soluble with Water?	No

CONTACT INFORMATION

Technical Point of Contact

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