

# Mosaic HIPS

## Technical Data Sheet

Compatible with Element, Element HT & Array



### 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, or as a soluble support material when dissolved in d-limonene.

#### Key Features

- ✓ Lightweight
- ✓ Excellent Surface Quality
- ✓ Easy to Print
- ✓ Soluble (in d-limonene)
- ✓ Durable

#### Sample Applications

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

### Available Colours



Natural

### Filament Specifications

Diameter	Tolerance
1.75 mm	+/- 0.03 mm

## Printing Guidelines

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

## Storage/Handling Considerations

<b>Hygroscopicity</b>	Low
<b>Drying Temperature</b>	N/A
<b>Drying Time</b>	N/A

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

## Material Properties

<b>Property</b>	<b>Standard</b>	<b>Typical Value</b>
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
Soluble with d-limonene?	Yes

## Contact Information

### Technical Point of Contact

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