

Mosaic ABS



Technical Data Sheet

Compatible with Element, Element HT & Array



Description

Mosaic ABS is lightweight material with high impact resistance. These characteristics, combined with a high heat deflection temperature, make Mosaic ABS suitable for use in a variety of applications and environments.

Key Features

- ✓ Lightweight
- ✓ Durable
- ✓ Tough
- ✓ Heat Resistant
- ✓ Excellent surface quality

Sample Applications

- ✓ Jigs and Fixtures
- ✓ Automotive Parts
- ✓ Prototyping
- ✓ Enclosures and Casings

Available Colours



Black White

Filament Specifications

Diameter	Tolerance
1.75 mm	+/- 0.05 mm

Printing Guidelines

Slicer Profile	Coming soon to canvas3d.io
Nozzle Temperature	275°C
Heated Chamber	Recommended for larger geometries
Build Surface	Element Bed Type 1, with glue stick
Special Considerations	N/A

Storage/Handling Considerations

Hygroscopicity	High
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	1.12 g/cc
Tensile Strength, Break	ISO 527	38.24 MPa
Tensile Modulus	ISO 527	2213 MPa
Elongation at Break	ISO 527	5.58%
Heat Deflection Temp.	ISO 75 1.8MPa	97.9°C

Multi-Material Compatibility

Automation

Same-material Automated Changeover	With Material Pod
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Supports

Same-material support	Yes
Compatible Soluble Materials	HIPS (soluble in d-limonene)
Compatible Breakaway Materials	HIPS

Contact Information

Technical Point of Contact

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