

Mosaic ASA

DESCRIPTION

Mosaic ASA has excellent mechanical properties, similar to those of ABS. This material has the added benefit of being UV stable, making it suitable for outdoor use.

KEY FEATURES

- ✓ UV Resistant
- ✓ Durable
- ✓ Tough
- ✓ High Thermal Resistance
- ✓ Hydrolytic Stability



SAMPLE APPLICATIONS

- ✓ Jigs and Fixtures
- ✓ Tool Casings
- ✓ Marine Applications
- ✓ Garden Equipment
- ✓ Outdoor Signage

FILAMENT SPECIFICATIONS

Diameter	Tolerance
1.75 mm	+/- 0.05 mm

PRINTING GUIDELINES

Slicer Profile	Available on canvas3d.io
Nozzle Temperature	265°C
Heated Chamber	Recommended for larger geometries
Build Surface	Element Bed Type I, with glue stick
Special Considerations	N/A

STORAGE/HANDLING CONSIDERATIONS

Hygroscopicity	Low
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	1.13 g/cc
Tensile Strength, Break	ISO 527	46.25 MPa
Tensile Modulus	ISO 527	2412 MPa
Elongation at Break	ISO 527	9.51%
Heat Deflection Temp.	ISO 75 (@1.8MPa)	99.8°C

MULTI-MATERIAL COMPATIBILITY

AUTOMATION

Same-material Automated Changeover	With Material Pod
------------------------------------	-------------------

SUPPORTS

Same-Material Support	Yes
Compatible Soluble Materials	HIPS (soluble in d-limonene)
Compatible Breakaway Materials	HIPS

CONTACT INFORMATION

Technical Point of Contact

Simon Ho
Staff Engineer, Manufacturing & Supply Chain
simon@mosaicmfg.com
+1 437 261-6922

Warehouse Point of Contact

Chris Burrows
Excelsior Integrated
705 Pleasant St, Lee, MA 01238, United States
413-637-0600 x 112