

## Technical Data Sheet

Compatible with Element, Element HT & Array



## 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
- ✓ High Thermal Resistance
- ✓ Durable
- ✓ Tough
- ✓ Hydrolytic Stability

### Sample Applications

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

## Available Colours



Black    White

## Filament Specifications

Diameter	Tolerance
1.75 mm	+/- 0.05 mm

## Printing Guidelines

<b>Slicer Profile</b>	Coming soon to canvas3d.io
<b>Nozzle Temperature</b>	265°C
<b>Heated Chamber</b>	Recommended for larger geometries
<b>Build Surface</b>	Element Bed Type I, with glue stick
<b>Special Considerations</b>	N/A

## Storage/Handling Considerations

<b>Hygroscopicity</b>	Low
<b>Drying Temperature</b>	70°C
<b>Drying Time</b>	6 Hours

**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	1.13 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 1.8 MPa	99.8°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

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