

# Mosaic ESD PETG



## Technical Data Sheet

Compatible with Element, Element HT & Array



## Description

Mosaic-ESD PETG is a specialized 3D printing material that offers superior mechanical properties compared to regular PETG. Additionally, this material has electrostatic discharge safety properties, which makes it suitable for use in contact with electrical devices.

### Key Features

- ✓ Electrically Dissipative
- ✓ Easy to Print
- ✓ Strong
- ✓ Excellent Surface Quality

### Sample Applications

- ✓ Housings
- ✓ Connectors
- ✓ Detection and Measurement Systems
- ✓ Electronics Manufacturing
- ✓ Jigs and Fixtures

## Available Colours



Black

## 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>	280°C
<b>Heated Chamber</b>	Not Required
<b>Build Surface</b>	Element Bed Type I with glue stick
<b>Special Considerations</b>	N/A

## Storage/Handling Considerations

<b>Hygroscopicity</b>	Moderate
<b>Drying Temperature</b>	65°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	1.24 g/cc
Tensile Strength, Break	ISO 527	39.01 MPa
Tensile Modulus	ISO 527	1994 MPa
Elongation at Break	ISO 527	9.10%
Heat Deflection Temp.	ISO 75 1.8MPa	75.2°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	None