

# Mosaic PP (Polypropylene)

## DESCRIPTION

Mosaic PP is a lightweight and flexible material which does not absorb moisture, making it suitable for applications such as orthotics and packaging.

## KEY FEATURES

- ✓ Lightweight
- ✓ High dimensional stability
- ✓ High moisture resistance
- ✓ High fatigue strength
- ✓ Flexible

## SAMPLE APPLICATIONS

- ✓ Orthotics
- ✓ Packaging
- ✓ Household items
- ✓ Casings and covers



## FILAMENT SPECIFICATIONS

Diameter	Tolerance
1.75 mm	+/- 0.05 mm

## PRINTING GUIDELINES

Slicer Profile	Available on <a href="https://canvas3d.io">canvas3d.io</a>
Nozzle Temperature	250°C
Heated Chamber	Recommended for larger geometries
Build Surface	Element Bed Type I, with Magigoo PP
Special Considerations	Mosaic PP cannot be printed with a regular glue stick, it must be printed with Magigoo PP in order to adhere properly.

## STORAGE/HANDLING CONSIDERATIONS

Hygroscopicity	None
Drying Temperature	Not required
Drying Time	Not required

Note: N/A

## MATERIAL PROPERTIES

Property	Standard	Typical Value
Density	ISO1183	0.89 g/cc
Tensile Strength, Break	D638	13.26 MPa
Tensile Modulus	D638	1013 MPa
Elongation at Break	D638	54.51%
Heat Deflection Temp.	D638 (@0.455 MPa)	93°C

**MULTI-MATERIAL COMPATIBILITY**

**AUTOMATION**

<b>Same-material Automated Changeover</b>	With Material Pod
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**SUPPORTS**

<b>Same-Material Support</b>	Yes
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<b>Compatible Soluble Materials</b>	NONE
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<b>Compatible Breakaway Materials</b>	NONE
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**CONTACT INFORMATION**

**Technical Point of Contact**

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