

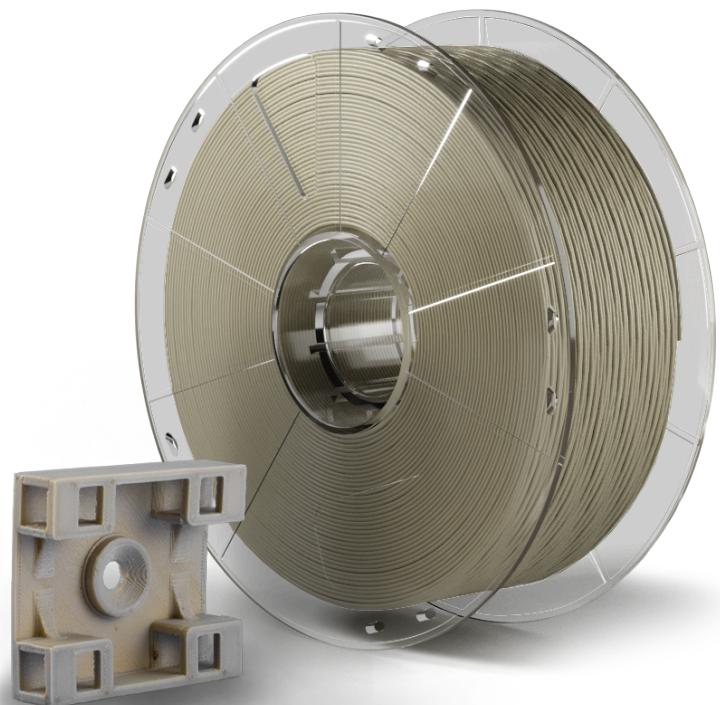
# Mosaic PEEK

## DESCRIPTION

Mosaic PEEK is a thermoplastic engineering-grade material with exceptional strength, durability and low flammability, making it ideal for various industries, including automotive, aerospace, medicine, and dentistry.

## KEY FEATURES

- ✓ Fatigue Resistant
- ✓ Durable
- ✓ Autoclavable
- ✓ High Chemical Resistance
- ✓ High Thermal Resistance



## SAMPLE APPLICATIONS

- ✓ Medical Tools
- ✓ Wire Protections/Shieldings
- ✓ Aerospace Components
- ✓ Dental Instruments
- ✓ Mechanical Parts

## FILAMENT SPECIFICATIONS

Diameter	Tolerance
1.75 mm	+/- 0.05 mm

## PRINTING GUIDELINES

Slicer Profile	Available on canvas3d.io
Nozzle Temperature	400°C
Heated Chamber	Required
Build Surface	Element Bed Type II, with glue stick
Special Considerations	Mosaic PEEK can be challenging to print and requires tuning based on part geometry.

*Note: For best results, parts should only be printed one at a time. If more parts are printed at once, the interlayer adhesion becomes significantly weaker.*

## 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	1.3 g/cc
Tensile Strength, Break	ISO 527	92.23 MPa
Tensile Modulus	ISO 527	3654 MPa
Elongation at Break	ISO 527	11.5%

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Heat Deflection Temp.	ISO 75 (@0.45MPa)	138.1°C
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## MULTI-MATERIAL COMPATIBILITY

## AUTOMATION

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Same-material Automated Changeover	With Material Pod
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## SUPPORTS

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Same-Material Support	Yes
Compatible Soluble Materials	None
Compatible Breakaway Materials	None

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## CONTACT INFORMATION

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