

# Mosaic PEKK

## DESCRIPTION

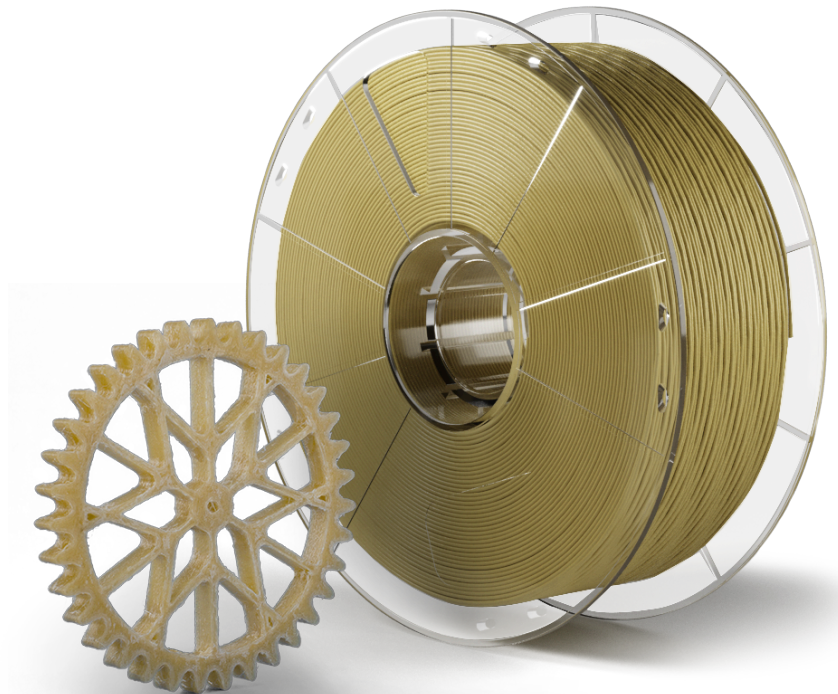
Mosaic PEKK is a high-performance thermoplastic material with exceptional mechanical properties, making it perfect for demanding applications in various industries. It offers several advantages over PEEK and PEI 9085, including improved printability, greater resistance to certain chemicals, and better abrasion resistance. These qualities make it an excellent choice over PEEK and PEI for many applications.

## KEY FEATURES

- ✓ High Chemical Resistance
- ✓ High Mechanical Resistance
- ✓ Very High Thermal Resistance
- ✓ Flame Resistant
- ✓ Great Printability

## SAMPLE APPLICATIONS

- ✓ Medical Tools
- ✓ Automotive Parts
- ✓ Chemical Processing
- ✓ Aerospace Components
- ✓ Oil and Gas Tooling



## FILAMENT SPECIFICATIONS

Diameter	Tolerance
1.75 mm	+/- 0.05 mm

## PRINTING GUIDELINES

Slicer Profile	Available on canvas3d.io
Nozzle Temperature	360°C
Heated Chamber	Required
Build Surface	Element Bed Type I, with glue stick
Special Considerations	N/A

## STORAGE/HANDLING CONSIDERATIONS

Hygroscopicity	High
Drying Temperature	120°C
Drying Time	4 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	1.27 g/cc
Tensile Strength, Break	ISO 527	103.04 MPa
Tensile Modulus	ISO 527	2698 MPa
Elongation at Break	ISO 527	9.52%
Heat Deflection Temp.	ISO 75 (@0.45MPa)	149.2°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

CONTACT INFORMATION

Technical Point of Contact

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