

PRODUCT DESCRIPTION

YOUSU PEEK is a new type of semi-crystalline aromatic plastic engineering plasti, which is very resistant to high temperature and heat. It can be used for a long time at 250 ° C and the instantaneous use temperature can reach 315 ° C. PEEK has good chemical stability and has strong corrosion resistance to acids, bases, and almost all organic solvents. It also has flame retardant and radiation resistance.

Applications

Properties	Test Method	Unites	Test Condition	Typical Value
Physical Properties				
Density	ISO 1183	g/cm ³	-	1.32±0.05
Water content	DIN53495	%		0.5
Mechanical Properties				
Shore Hardness	DIN53505	A		90
Tensile Strength	ISO 527	Mpa	-	97
Elongation at Break	ISO 527	%	-	7
Flexural Modulus	ISO 178	Mpa	-	2850
Flexural Strength	ISO 178	Mpa	-	141
Thermal Properties				
Glass Transition Temperature (Tg)	DSC	°C	-	143
Deflection Temperature at 0.45 MPa (66psi)	ISO 75	°C	-	140

YOUSU PEEK is an ideal electrical insulator and maintains good electrical insulation performance under high temperature, high pressure and high humidity.

Printing Information

YOUSU PEEK 3D filament has good chemical stability and has strong corrosion resistance to acids, bases, and almost all organic solvents. Our product has two kinds of diameters: 1.75mm and 2.85mm and show excellent stability and mobility in the molten state. Parts printed with our products have well thermal and mechanical properties. Before printing some parameters should be noticed.

Basic Parameters	
Product Code	YS-PEEK
Material	PEEK
Diameter	1.75/2.85 mm
Printing Temp	410-450 °C
Print Bed Temp	140-160°C

All information provided and recommendations made herein are intended to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before use in order to make their own final decision regarding suitability. We do not guarantee results, freedom from patent infringement, or suitability of resultant products for any suggested application with respect to the use of any formula or material described herein.