

PEEK

Description

PEEK (PolyEtherEtherKetone) is one of the highest-performance polymers in the world. PEEK has exceptional mechanical, thermal and chemical resistance properties making it a go-to material in some of the most demanding applications.

		Test Method	Typical Value
<i>Physical Properties</i>	Specific Gravity	ISO 1183	1.3g/cc

		Test Method	Typical Value
<i>Mechanical Properties</i>	Tensile Strength	ISO 527	100 MPa
	Tensile Modulus	ISO 527	3720 MPa
	Tensile Elongation	ISO 527	28%
	Flexural Strength	ISO 178	130 MPa
	Flexural Modulus	ISO 178	2700 MPa

		Test Method	Typical Value
<i>Thermal Properties</i>	Glass Transition Temperature	DSC	143°C
	Deflection Temperature at 0.45 MPa	ISO 75	140°C

		Standard	Typical Value
<i>Fire Testing</i>	Fire Rating (*Base Resin)	UL 94	V-0 @ 1.5mm