

Product Texts

PEEK with 30% Ceramic Filler.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	4400	MPa	ASTM D 638
Tensile Strength at Break	80	MPa	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	4400	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Coefficient of Thermal Expansion, MD	36	E-6/K	ASTM D 696
DTUL @ 66 psi	260	°C	ASTM D 648
Melting Temperature	341	°C	ASTM D 3418
Glass Transition Temperature	143	°C	ASTM E 1356

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	15	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.005	-	ASTM D 150
Surface Resistivity	1E13	Ohm	ASTM D 257
Volume Resistivity	1E15	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1500	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets

Regional Availability

North America, Europe, Asia Pacific