Gharda Chemicals GATONE™ PEEK, 30% Glass Reinforced (discontinued **)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Glass Fiber Filled

Material Notes:

GATONE™ PEEK grades with glass fiber reinforcements ranging from 10- 40 % are available in natural or desired colors. Custom made grades can be developed to meet specific requirements.CHARACTERISTICS: Outstanding chemical resistance.Outstanding wear resistance.Outstanding resistance to hydrolysis.Excellent mechanical properties.Outstanding thermal properties.Very good dielectric strength, volume resistivity, tracking resistance.Very good radiation resistance.Information provided by Gharda.Solvay Advanced Polymers completed its acquisition of this product line in May 2006.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gharda-Chemicals-GATONE-PEEK-30-Glass-Reinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in³	ISO 118
Filler Content	30 %	30 %	
Moisture Absorption at Equilibrium	0.20 %	0.20 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	156 MPa	22600 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	9.70 GPa	1410 ksi	ISO 527
Flexural Strength	250 MPa	36300 psi	ISO 178
Flexural Modulus	10.0 GPa	1450 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	260 °C	500 °F	(Expected) Continuous use, UL
Deflection Temperature at 1.8 MPa (264 psi)	315 °C	599 °F	ISO 75
Glass Transition Temp, Tg	148 °C	298 °F	DSC
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+16 ohm-cm	>= 1.00e+16 ohm-cm	IEC 93

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