Gharda Chemicals GATONE™ 5400 PEEK, Medium Viscosity Grade (discontinued **)

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK) , Polyetheretherketone, PEEK, Unreinforced

Material Notes:

Medium viscosity grade for extrusion and injection moldingCHARACTERISTICS: 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-5400-PEEK-Medium-Viscosity-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in³	ISO 118
Moisture Absorption at Equilibrium	0.50 %	0.50 %	ISO 62
Melt Flow	13.2 - 26.4 g/10 min @Load 2.16 kg, Temperature 400 °C	13.2 - 26.4 g/10 min @Load 4.76 lb, Temperature 752 °F	ASTM D1183

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	ISO 527
Elongation at Break	45 %	45 %	ISO 527
Tensile Modulus	3.80 GPa	551 ksi	ISO 527
Flexural Strength	150 MPa	21800 psi	ISO 178
Flexural Modulus	4.00 GPa	580 ksi	ISO 178
Izod Impact, Notched	0.600 J/cm	1.12 ft-lb/in	ISO 179

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)	150 °C	302 °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
Surface Resistance	>= 1.00e+14 ohm	>= 1.00e+14 ohm	IEC 93
Dielectric Strength	19.0 kV/mm	483 kV/in	IEC 243/1

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