

CENTROPLAST CENTROTRON GF 15 Polyphenylene sulfide 15% glass fiber

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS) with 20% Glass Fiber Filler

Material Notes:

CENTROTRON is a plastic that is resistant to oxidation and hydrolysis which can be used in high temperature applications. CENTROTRON has a low sliding friction coefficient and high abrasion resistant. Applications include bearings, sealing rings, rods and hollow bars. Information provided by CENTROPLAST Engineering Plastics GMBH

Order this product through the following link:

http://www.lookpolymers.com/polymer_CENTROPLAST-CENTROTRON-GF-15-Polyphenylene-sulfide-15-glass-fiber.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ISO 1183
Water Absorption at Saturation	0.020 %	0.020 %	ISO 62

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	86.0 MPa	12500 psi	v = 5 mm/min; ISO 527-2
Elongation at Break	2.2 %	2.2 %	ISO 527-2
Tensile Modulus	5.00 GPa	725 ksi	ISO 527-2
Flexural Modulus	5.10 GPa	740 ksi	ISO 178
Charpy Impact Unnotched	4.80 J/cm ²	22.8 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	1.40 J/cm ²	6.66 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 °C	356 °F	Long Term
	240 °C	464 °F	Short term
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093

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