

CENTROPLAST CENTROTRON Polyphenylene sulfide

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Unreinforced, Extruded

Material Notes:

CENTROTRON is a plastic that is resistant to oxidation and hydrolysis which can be used at high operating temperatures. Applications include plug connectors, sensor housings and parts for electrical ovens. Information provided by CENTROPLAST Engineering Plastics GMBH

Order this product through the following link:

http://www.lookpolymers.com/polymer_CENTROPLAST-CENTROTRON-Polyphenylene-sulfide.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ISO 1183
Water Absorption at Saturation	0.020 %	0.020 %	in water at 23°C; ISO 62

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	90	90	ISO 2039-2
	@Thickness 10.0 mm	@Thickness 0.394 in	
Tensile Strength, Yield	90.0 MPa	13100 psi	v = 5 mm/min; ISO 527-2
Elongation at Break	8.0 %	8.0 %	ISO 527-2
Tensile Modulus	3.50 GPa	508 ksi	ISO 527-2
Flexural Modulus	4.20 GPa	609 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	Long Term
	260 °C	500 °F	Short term
Deflection Temperature at 1.8 MPa (264 psi)	115 °C	239 °F	ISO 75-2
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 6.00 mm	@Thickness 0.236 in	

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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