

CENTROPLAST CENTROLEN PPS Polypropylene flame resistant

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

Material Notes:

This material is a low density, easily machined plastic that can be welded and is flame resistant. Applications include exhaust systems for heating systems, and apparatus engineering. Information provided by CENTROPLAST Engineering Plastics GMBH

Order this product through the following link:

http://www.lookpolymers.com/polymer_CENTROPLAST-CENTROLEN-PPS-Polypropylene-flame-resistant.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	62.0 MPa	8990 psi	value at 30 sec.; ISO 2039-1
Tensile Strength, Yield	30.0 MPa	4350 psi	v = 50 mm/min; ISO 527-2
Elongation at Break	10 %	10 %	ISO 527-2
Tensile Modulus	1.30 GPa	189 ksi	ISO 527-2
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.170 W/m-K	1.18 BTU-in/hr-ft ² -°F	
Melting Point	165 °C	329 °F	10K/min; ISO 3146
Maximum Service Temperature, Air	100 °C	212 °F	Long Term
	130 °C	266 °F	Short term
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ISO 75-2
Vicat Softening Point	85.0 °C	185 °F	VST/B/50; ISO 306
Flammability, UL94	V-2	V-2	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-2	V-2	
	@Thickness 6.00 mm	@Thickness 0.236 in	

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Electrical Properties	Metric ^{14 ohm-cm}	English ^{14 ohm-cm}	Comments
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093
Dielectric Constant	2.3	2.3	IEC 60250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dissipation Factor	0.0012	0.0012	IEC 60250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	600 V	600 V	IEC 60112

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China