

Plastcom SLOVALEN PH 56 FRD 1 Polypropylene Homopolymer, Halogen Flame Retardant

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

Material Notes:

Features Modified homopolymer PP for injection moulding with increased flammability resistance. Contains flame retardant on the halogen basis. Used in the electrical industry - terminals, coil forms, guides, covers of electric tools. Complies with the 960°C glow wire and flammability grade V2. Delivered in natural and in the full RAL color scale. Application: Injection Moulding Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-56-FRD-1-Polypropylene-Homopolymer-Halogen-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.021 cm/cm	0.021 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0194 cm/cm	0.0194 in/in	STN 64 0808
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	STN EN ISO 527-2
Elongation at Break	10 %	10 %	STN EN ISO 527-2
Tensile Modulus	1.30 GPa	189 ksi	STN EN ISO 527-2
Flexural Strength	35.0 MPa	5080 psi	STN EN ISO 178
Flexural Modulus	1.20 GPa	174 ksi	STN EN ISO 178
Charpy Impact Unnotched	2.00 J/cm ² @Temperature -20.0 °C	9.52 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	12.0 J/cm ² @Temperature 23.0 °C	57.1 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.100 J/cm ² @Temperature -20.0 °C	0.476 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	0.300 J/cm ² @Temperature 23.0 °C	1.43 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	DSC; STN EN ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	STN EN ISO 75/A
Vicat Softening Point	155 °C	311 °F	B; STN EN ISO 306
Flammability, UL94	V-2	V-2	
Glow Wire Test	960 °C	1760 °F	STN IEC 60695-2-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	STN IEC 60093
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	STN IEC 60093
Dielectric Strength	24.0 kV/mm	610 kV/in	STN IEC 60243
Comparative Tracking Index	450 V	450 V	STN 34 6468

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Injection Pressure	50.0 - 80.0 MPa	7250 - 11600 psi	

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