

Plastcom SLOVALEN PH 78 FRT 5 Polypropylene Homopolymer, Halogen Free and Phosphor Free Flame Retardant

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

Material Notes:

Features Modified homopolymer PP for injection moulding, contains the modifier of mechanical properties and non halogen and free phosphor flame retardant. Increased strength in comparison with unfilled PP. Applied in all industry branches. Increased strength, toughness, modulus in tension due to the modification. 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-78-FRT-5-Polypropylene-Homopolymer-Halogen-Free-and-Phosphor-Free-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.0168 cm/cm	0.0168 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0175 cm/cm	0.0175 in/in	STN 64 0808
Melt Flow	15 - 25 g/10 min @Load 2.16 kg, Temperature 230 °C	15 - 25 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	STN EN ISO 527-2
Elongation at Break	3.0 %	3.0 %	STN EN ISO 527-2
Tensile Modulus	1.50 GPa	218 ksi	STN EN ISO 527-2
Flexural Strength	300 MPa	43500 psi	STN EN ISO 178
Flexural Modulus	1.50 GPa	218 ksi	STN EN ISO 178
Charpy Impact Unnotched	1.00 J/cm ² @Temperature -20.0 °C	4.76 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	1.60 J/cm ² @Temperature 23.0 °C	7.61 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
	0.200 J/cm ² @Temperature 23.0 °C	0.952 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Mechanical Properties	Metric	English	Comments
Melting Point	145 °C	293 °F	DSC; STN EN ISO 3146
Vicat Softening Point	150 °C	302 °F	B; STN EN ISO 306
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	
Glow Wire Test	960 °C	1760 °F	3mm; STN IEC 60695-2-10

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.20 %	0.20 %	STN EN ISO 960
Injection Pressure	70.0 - 120 MPa	10200 - 17400 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