

Plastcom SLOVALEN PH 49 GF 20 Polypropylene Homopolymer, 20% Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Glass Fiber Filler

Material Notes:

Features Modified homopolymer PP for injection moulding, chemically reinforced with 20% glass fiber, contains the modifier of mechanical properties. Increased strength in comparison with unfilled PP. Applied in all industry branches. Increased strength, toughness, tensile modulus due to the modification. Delivered in natural and in the full RAL color scale. Moderately increased toughness and lower ITT in comparison with PH 69 GF 30. 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-49-GF-20-Polypropylene-Homopolymer-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.0047 cm/cm	0.0047 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0051 cm/cm	0.0051 in/in	STN 64 0808
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	STN EN ISO 527-2
Elongation at Break	3.0 %	3.0 %	STN EN ISO 527-2
Tensile Modulus	4.70 GPa	682 ksi	STN EN ISO 527-2
Flexural Strength	85.0 MPa	12300 psi	STN EN ISO 178
Flexural Modulus	4.30 GPa	624 ksi	STN EN ISO 178
Charpy Impact Unnotched	3.60 J/cm ² @Temperature -20.0 °C	17.1 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	4.00 J/cm ² @Temperature 23.0 °C	19.0 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.200 J/cm ² @Temperature -20.0 °C	0.952 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	1.30 J/cm ² @Temperature 23.0 °C	6.19 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)	130 °C	266 °F	STN EN ISO 75/A
Vicat Softening Point	135 °C	275 °F	B; STN EN ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 70.0 °C	104 - 158 °F	
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