

Plastcom SLOVALEN PH 51 T 20 Polypropylene Homopolymer, 20% Mineral Filled

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

Material Notes:

Features Modified homopolymer PP for injection moulding with the content of 20% mineral filler. Increased rigidity, strength and thermal use up to 130°C. Decreased shrinkage. General application in all industry branches - packing material, garden flower-pots, toys, furniture industry, dowels, clamps, hinge, office chairs, hangers, covers of car chassis, fenders, motors etc. 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-51-T-20-Polypropylene-Homopolymer-20-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.017 cm/cm	0.017 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 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	4.0 %	4.0 %	STN EN ISO 527-2
Tensile Modulus	2.50 GPa	363 ksi	STN EN ISO 527-2
Flexural Strength	45.0 MPa	6530 psi	STN EN ISO 178
Flexural Modulus	2.40 GPa	348 ksi	STN EN ISO 178
Charpy Impact Unnotched	1.60 J/cm ² @Temperature -20.0 °C	7.61 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	0.150 J/cm ² @Temperature -20.0 °C	0.714 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)	125 °C	257 °F	STN EN ISO 75/A
Vicat Softening Point	160 °C	320 °F	B; STN EN ISO 306
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °F	STN IEC 60695-2-10

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °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