

Plastcom SLOVALEN PH 51 T 40 Polypropylene Homopolymer, 40% Micronized Talc

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Talc Filler

Material Notes:

Features Modified homopolymer PP for injection moulding with the content of 40% micronized, floated, chemically modified talc. 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-40-Polypropylene-Homopolymer-40-Micronized-Talc.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.0145 cm/cm	0.0145 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0155 cm/cm	0.0155 in/in	STN 64 0808
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	STN EN ISO 527-2
Elongation at Break	3.0 %	3.0 %	STN EN ISO 527-2
Tensile Modulus	3.20 GPa	464 ksi	STN EN ISO 527-2
Flexural Strength	50.0 MPa	7250 psi	STN EN ISO 178
Flexural Modulus	3.10 GPa	450 ksi	STN EN ISO 178
Charpy Impact Unnotched	1.20 J/cm ² @Temperature -20.0 °C	5.71 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	2.40 J/cm ² @Temperature 23.0 °C	11.4 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)	130 °C	266 °F	STN EN ISO 75/A
Vicat Softening Point	160 °C	320 °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	

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