

Plastcom SLOVALEN PC 52 T 20 Polypropylene Copolymer, 20% Micronized Talc

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

Material Notes:

Features Modified copolymer PP for injection moulding with the content of 20% micronized, floated, chemically modified talc. General application - packing material, garden flower-pots, toys, furniture industry, dowels, clamps, hinge, holders, office chairs, hangers, covers of car chassis, fenders, motors etc. Increased toughness. Delivered in natural and in the full RAL color scale. Heat stabilization enables the application in environment where it is subject to heat impact like the motor area. 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-PC-52-T-20-Polypropylene-Copolymer-20-Micronized-Talc.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.0177 cm/cm	0.0177 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0193 cm/cm	0.0193 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	25.0 MPa	3630 psi	STN EN ISO 527-2
Elongation at Break	5.0 %	5.0 %	STN EN ISO 527-2
Tensile Modulus	2.50 GPa	363 ksi	STN EN ISO 527-2
Flexural Strength	70.0 MPa	10200 psi	STN EN ISO 178
Flexural Modulus	2.30 GPa	334 ksi	STN EN ISO 178
Charpy Impact Unnotched	1.50 J/cm ² @Temperature -20.0 °C	7.14 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	6.00 J/cm ² @Temperature 23.0 °C	28.6 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
	0.500 J/cm ²	2.38 ft-lb/in ²	STN EN ISO 179

Mechanical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °F	DSC; STN EN ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	STN EN ISO 75/A
Vicat Softening Point	85.0 °C	185 °F	B; STN EN ISO 306
Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 50.0 °C	104 - 122 °F	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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