

Plastcom SLOVALEN PC 51 T 25 PP, 25% mineral filling

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler , Polypropylene with 30% Talc Filler

Material Notes:

Features Modified copolymer PP for injection moulding with the content of 25% microground, floated, chemically modified talc. General application - packing material, garden flower-pots, toys, furniture industry, clamps, dowels, hinge, holders, office chairs, covers of chassis, motors, fenders. Increased toughness. Delivered in natural mode and in the full RAL colour scale. Packaging, transport, stocking The product is packed in hermetically closed thick-walled 25 kg PE bags, on a 1.000 kg palette coated in a stretch foil, in big bags with a thick PE foil fixed on a 1.000 kg palette, in paper octabins with a thick PE foil fixed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PC-51-T-25-PP-25-mineral-filling.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	
Linear Mold Shrinkage	0.0175 cm/cm	0.0175 in/in	
Linear Mold Shrinkage, Transverse	0.0183 cm/cm	0.0183 in/in	
Melt Flow	5.0 g/10 min @Load 0.325 kg, Temperature 270 °C	5.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	
Elongation at Break	5.0 %	5.0 %	
Tensile Modulus	2.20 GPa	319 ksi	
Flexural Strength	70.0 MPa	10200 psi	
Flexural Modulus	2.10 GPa	305 ksi	
Charpy Impact Unnotched	1.80 J/cm ² @Temperature -20.0 °C	8.57 ft-lb/in ² @Temperature -4.00 °F	
	6.00 J/cm ² @Temperature 23.0 °C	28.6 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.200 J/cm ² @Temperature -20.0 °C	0.952 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °F	
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	
Vicat Softening Point	85.0 °C	185 °F	B

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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