

Plastcom SLOVALEN PC 51 C 20 PP, 20% mineral filling

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

Material Notes:

FeaturesModified homopolymer and copolymer PP for injection moulding with the content of 20% microground, chemically modified talc. Increased strength, rigidity and thermal application up to 100°C depending on the talc content. Decreased shrinkage. Packing material, garden flower-pots, toys, dowels, clamps, hinge, office chairs, holders, covers of motors, chassis, protection trims in the automotive industry, electroinstallation boxes in the electrical industry. Fulfills the glow wire 750°C. Delivered 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-C-20-PP-20-mineral-filling.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Linear Mold Shrinkage	0.0136 cm/cm	0.0136 in/in	
Linear Mold Shrinkage, Transverse	0.0156 cm/cm	0.0156 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	110 %	110 %	
Tensile Modulus	1.50 GPa	218 ksi	
Flexural Strength	25.0 MPa	3630 psi	
Flexural Modulus	1.80 GPa	261 ksi	
Charpy Impact Unnotched	2.00 J/cm ² @Temperature -20.0 °C	9.52 ft-lb/in ² @Temperature -4.00 °F	
	6.50 J/cm ² @Temperature 23.0 °C	30.9 ft-lb/in ² @Temperature 73.4 °F	
	0.150 J/cm ²	0.714 ft-lb/in ²	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature -20.0 °C	English @ Temperature -4.00 °F	Comments
	0.300 J/cm ²	1.43 ft-lb/in ²	
	@ 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)	90.0 °C	194 °F	
Vicat Softening Point	150 °C	302 °F	B
Flammability, UL94	HB	HB	
Glow Wire Test	750 °C	1380 °F	

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	

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