

Plastcom SLOVALEN PH 21 T 20 PP, 20% mineral filling

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 filling. Increased rigidity, strength and thermal use up to 130°C depending on the talc content. 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 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-PH-21-T-20-PP-20-mineral-filling.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Linear Mold Shrinkage	0.017 cm/cm	0.017 in/in	
Linear Mold Shrinkage, Transverse	0.013 cm/cm	0.013 in/in	
Melt Flow	2.0 g/10 min @Load 0.325 kg, Temperature 270 °C	2.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	33.0 MPa	4790 psi	
Elongation at Break	6.0 %	6.0 %	
Tensile Modulus	2.70 GPa	392 ksi	
Flexural Strength	48.0 MPa	6960 psi	
Flexural Modulus	2.30 GPa	334 ksi	
Charpy Impact Unnotched	2.00 J/cm ² @Temperature -20.0 °C	9.52 ft-lb/in ² @Temperature -4.00 °F	
	5.00 J/cm ² @Temperature 23.0 °C	23.8 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	160 °C	320 °F	
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	
Vicat Softening Point	155 °C	311 °F	B

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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