

Plastcom SLOVALEN PH 63 T 20 PP, 20% mineral filling

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

Material Notes:

FeaturesModified 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. Delivered in natural mode and in the full RAL colour scale.Packaging, transport, stockingThe 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-63-T-20-PP-20-mineral-filling.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Linear Mold Shrinkage	0.0083 cm/cm	0.0083 in/in	
Linear Mold Shrinkage, Transverse	0.0072 cm/cm	0.0072 in/in	
Melt Flow	12 g/10 min @Load 0.325 kg, Temperature 270 °C	12 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	31.0 MPa	4500 psi	
Elongation at Break	17 %	17 %	
Tensile Modulus	2.75 GPa	399 ksi	
Flexural Strength	45.0 MPa	6530 psi	
Flexural Modulus	2.60 GPa	377 ksi	
Charpy Impact Unnotched	1.60 J/cm ² @Temperature -20.0 °C	7.61 ft-lb/in ² @Temperature -4.00 °F	
	3.60 J/cm ² @Temperature 23.0 °C	17.1 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.150 J/cm ² @Temperature -20.0 °C	0.714 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	0.300 J/cm² Metric	1.43 ft-lb/in² English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	
Vicat Softening Point	160 °C	320 °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	
Drying Temperature	70.0 °C	158 °F	
Dry Time	2 hour	2 hour	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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