

Plastcom SLOVALEN PH 22 T 40 PP, 40% mineral filling

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Talc Filler

Material Notes:

Features Modified homopolymer PP for injection moulding with the content of 40% microground, floated, chemically modified talc. Special designed for automotive light housings. 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-22-T-40-PP-40-mineral-filling.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	
Linear Mold Shrinkage	0.0145 cm/cm	0.0145 in/in	
Linear Mold Shrinkage, Transverse	0.0155 cm/cm	0.0155 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	3.80 GPa	551 ksi	
Flexural Strength	50.0 MPa	7250 psi	
Flexural Modulus	3.90 GPa	566 ksi	
Charpy Impact Unnotched	2.50 J/cm ² @Temperature -20.0 °C	11.9 ft-lb/in ² @Temperature -4.00 °F	
	3.00 J/cm ² @Temperature 23.0 °C	14.3 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/cm ² Metric	1.43 ft-lb/in ² 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)	130 °C	266 °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 - 70.0 °C	104 - 158 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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