

Plastcom SLOVALEN PH 71 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. 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-71-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	0.01405 cm/cm	0.01405 in/in	
Linear Mold Shrinkage, Transverse	0.015 cm/cm	0.015 in/in	
Melt Flow	20 g/10 min @Load 0.325 kg, Temperature 270 °C	20 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
Elongation at Break	6.0 %	6.0 %	
Tensile Modulus	3.50 GPa	508 ksi	
Flexural Strength	56.0 MPa	8120 psi	
Flexural Modulus	3.20 GPa	464 ksi	
Charpy Impact Unnotched	1.20 J/cm ²	5.71 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	3.30 J/cm ²	15.7 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.100 J/cm ²	0.476 ft-lb/in ²	
	@Temperature -20.0 °C	@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)	135 °C	275 °F	
Vicat Softening Point	165 °C	329 °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	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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