

Plastcom SLOVALEN PC 71 T 15 PP, 15% mineral filling

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Talc Filler , Polypropylene with 20% Talc Filler

Material Notes:

Features Modified PP for injection moulding with the content of 15% mineral filling. Increased rigidity, strength and thermal. 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. 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-71-T-15-PP-15-mineral-filling.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	
Linear Mold Shrinkage	0.0231 cm/cm	0.0231 in/in	
Linear Mold Shrinkage, Transverse	0.0252 cm/cm	0.0252 in/in	
Melt Flow	15 g/10 min @Load 0.325 kg, Temperature 270 °C	15 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	18.0 MPa	2610 psi	
Elongation at Break	8.0 %	8.0 %	
Tensile Modulus	1.70 GPa	247 ksi	
Flexural Strength	21.0 MPa	3050 psi	
Flexural Modulus	1.55 GPa	225 ksi	
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	
Charpy Impact, Notched	1.00 J/cm ² @Temperature -20.0 °C	4.76 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	5.10 J/cm ² Metric	24.3 ft-lb/in ² English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	88.0 °C	190 °F	
Vicat Softening Point	122 °C	252 °F	B
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 50.0 °C	104 - 122 °F	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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