

Plastcom SLOVALEN PC 93 T 15 1/M PP, 15% mineral filling, UV stability

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, uv stabilized. Increased rigidity, strength and thermal use up to 130°C depending on the talc content. Decreased shrinkage. General application in all industry branches. Very good scratch and odor resistant. 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-93-T-15-1M-PP-15-mineral-filling-UV-stability.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	
Linear Mold Shrinkage	0.0193 cm/cm	0.0193 in/in	
Linear Mold Shrinkage, Transverse	0.0188 cm/cm	0.0188 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	23.0 MPa	3340 psi	
Elongation at Break	8.0 %	8.0 %	
Tensile Modulus	2.30 GPa	334 ksi	
Flexural Strength	44.0 MPa	6380 psi	
Flexural Modulus	2.20 GPa	319 ksi	
Charpy Impact Unnotched	6.80 J/cm ² @Temperature -20.0 °C	32.4 ft-lb/in ² @Temperature -4.00 °F	
	7.50 J/cm ² @Temperature 23.0 °C	35.7 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.700 J/cm ² @Temperature -20.0 °C	3.33 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	1.60 J/cm ² Metric	7.61 ft-lb/in ² English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	135 °C	275 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 50.0 °C	104 - 122 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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