

Plastcom SLOVALEN PC 73 T 15-1M PP, 15% mineral filling, UV stable

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

Material Notes:

FeaturesModified PP copolymer for injection moulding with the content of 15 % mineral filler, uv stabilized, good scratch resistance, low odor and very good flowability with good dimensional stability. The grade is designed for molding of automotive interior trims. Delivered in natural form or in colormatched form.
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-PC-73-T-15-1M-PP-15-mineral-filling-UV-stable.php

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in ³	
Linear Mold Shrinkage	0.0114 cm/cm	0.0114 in/in	
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 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	27.0 MPa	3920 psi	
Elongation at Break	5.0 %	5.0 %	
Tensile Modulus	2.55 GPa	370 ksi	
Flexural Strength	37.0 MPa	5370 psi	
Flexural Modulus	2.18 GPa	316 ksi	
Charpy Impact Unnotched	4.00 J/cm ² @Temperature -20.0 °C	19.0 ft-lb/in ² @Temperature -4.00 °F	
	5.50 J/cm ² @Temperature 23.0 °C	26.2 ft-lb/in ² @Temperature 73.4 °F	
Charpy Impact, Notched	0.300 J/cm ² @Temperature -20.0 °C	1.43 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	0.600 J/cm² Metric	2.86 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)	65.0 °C	149 °F	
Vicat Softening Point	125 °C	257 °F	B

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	
Moisture Content	<= 0.10 %	<= 0.10 %	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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