

Plastcom SLOVALEN PQ 83 T 10 PP, 10% mineral filling

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

Material Notes:

Features Modified PP + EPDM for injection moulding with the content of 10% mineral filler. Increased rigidity, strength and thermal. Decreased shrinkage. Application in automotive, covers of car chassis, fenders, motors, bumpers, 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-PQ-83-T-10-PP-10-mineral-filling.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	
Linear Mold Shrinkage, Transverse	0.0124 cm/cm	0.0124 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	15.0 MPa	2180 psi	
Elongation at Break	9.0 %	9.0 %	
Tensile Modulus	1.20 GPa	174 ksi	
Flexural Strength	18.0 MPa	2610 psi	
Flexural Modulus	0.950 GPa	138 ksi	
Charpy Impact Unnotched	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	
Charpy Impact, Notched	0.500 J/cm ² @Temperature -20.0 °C	2.38 ft-lb/in ² @Temperature -4.00 °F	

Mechanical Properties	4.30 J/cm ² Metric	20.5 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)	72.0 °C	162 °F	
Vicat Softening Point	130 °C	266 °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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