

Plastcom SLOVALEN PC 12 T 30 TS PP reinforced with 30% mineral filler

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Talc Filler

Material Notes:

Features: Modified copolymer PP for injection moulding or extrusion parts with the content of 30 % mineral filler. Increased rigidity, strength and impact strenght.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-PC-12-T-30-TS-PP-reinforced-with-30-mineral-filler.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	
Linear Mold Shrinkage	0.0125 cm/cm	0.0125 in/in	
Linear Mold Shrinkage, Transverse	0.0117 cm/cm	0.0117 in/in	
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	
Elongation at Break	20 %	20 %	
Tensile Modulus	2.75 GPa	399 ksi	
Flexural Strength	35.0 MPa	5080 psi	
Flexural Modulus	2.55 GPa	370 ksi	
Charpy Impact Unnotched	1.60 J/cm ² @Temperature -20.0 °C	7.61 ft-lb/in ² @Temperature -4.00 °F	
	NB @Temperature 23.0 °C	NB @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	1.50 J/cm ² Metric	7.14 ft-lb/in ² English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	
Vicat Softening Point	153 °C	307 °F	
Flammability Test	1.0	1.0	
Glow Wire Test	550 °C	1020 °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	
Moisture Content	<= 0.20 %	<= 0.20 %	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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