

Plastcom SLOVALEN PC 81 T 30 PP, 30% mineral filling

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

Material Notes:

FeaturesModified copolymer PP for injection moulding with the content of 30% microground, floated, chemically modified talc. General application - packing material, garden flower-pots, toys, furniture industry, clamps, dowels, hinge, holders, office chairs, covers of chassis, motors, fenders. Increased toughness. 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-81-T-30-PP-30-mineral-filling.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	
Linear Mold Shrinkage	0.021 cm/cm	0.021 in/in	
Linear Mold Shrinkage, Transverse	0.0198 cm/cm	0.0198 in/in	
Melt Flow	5.0 g/10 min @Load 0.325 kg, Temperature 270 °C	5.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	
Elongation at Break	5.0 %	5.0 %	
Tensile Modulus	2.80 GPa	406 ksi	
Flexural Strength	70.0 MPa	10200 psi	
Flexural Modulus	2.30 GPa	334 ksi	
Charpy Impact Unnotched	1.80 J/cm ²	8.57 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	6.00 J/cm ²	28.6 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Mechanical Properties	Metric kJ/m ²	English lb/in ²	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °F	
Deflection Temperature at 1.8 MPa (264 psi)	130 °C	266 °F	
Vicat Softening Point	90.0 °C	194 °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	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

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