

Plastcom SLOVALEN PC 59 GF 13 Compounded Polypropylene Homopolymer, 13% Chemically Coupled Glass Fiber

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

Material Notes:

Features Compounded homopolymer PP, with the content of 13% chemically coupled glass fiber and modifier of mechanical properties.

Increased strength in comparison with unfilled PP. Use in all industry sectors. Delivered in the natural and in the full RAL color

scale. Application: Injection Moulding Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PC-59-GF-13-Compounded-Polypropylene-Homopolymer-13-Chemically-Coupled-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	STN 64 0111
Linear Mold Shrinkage	0.0127 cm/cm	0.0127 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0126 cm/cm	0.0126 in/in	STN 64 0808
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	STN EN ISO 527-2
Elongation at Break	3.0 %	3.0 %	STN EN ISO 527-2
Tensile Modulus	3.10 GPa	450 ksi	STN EN ISO 527-2
Flexural Strength	50.0 MPa	7250 psi	STN EN ISO 178
Flexural Modulus	2.70 GPa	392 ksi	STN EN ISO 178
Charpy Impact Unnotched	2.00 J/cm ² @Temperature 23.0 °C	9.52 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179
	2.00 J/cm ² @Temperature -20.0 °C	9.52 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
Charpy Impact, Notched	0.500 J/cm ² @Temperature -20.0 °C	2.38 ft-lb/in ² @Temperature -4.00 °F	STN EN ISO 179
	0.600 J/cm ² @Temperature 23.0 °C	2.86 ft-lb/in ² @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °F	DSC; STN EN ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	155 °C	311 °F	STN EN ISO 75/A
Vicat Softening Point	155 °C	311 °F	B; STN EN ISO 306

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Injection Pressure	60.0 - 100 MPa	8700 - 14500 psi	

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