

## Plastcom SLOVALEN PH 66 GF 20 FRO 4 PP, 20% glass fibre, flame retardant

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Glass Fiber Filler , Polypropylene, Flame Retardant

### Material Notes:

Features Modified homopolymer PP for injection moulding, chemically reinforced with 20% glass fibre, with decreased flammability. Used in the electrical industry - teroderately increased toughness and lower ITT in comparison with PH 69 GF 30. 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-PH-66-GF-20-FRO-4-PP-20-glass-fibre-flame-retardant.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-66-GF-20-FRO-4-PP-20-glass-fibre-flame-retardant.php)

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	
Linear Mold Shrinkage, Transverse	0.0195 cm/cm	0.0195 in/in	
Melt Flow	10 g/10 min @Load 0.325 kg, Temperature 270 °C	10 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	4.80 GPa	696 ksi	
Flexural Strength	95.0 MPa	13800 psi	
Flexural Modulus	3.10 GPa	450 ksi	
Charpy Impact Unnotched	3.60 J/cm <sup>2</sup> @Temperature -20.0 °C	17.1 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
	4.00 J/cm <sup>2</sup> @Temperature 23.0 °C	19.0 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
Charpy Impact, Notched	0.200 J/cm <sup>2</sup> @Temperature -20.0 °C	0.952 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	

Mechanical Properties	1.40 J/cm <sup>2</sup> Metric	6.68 ft-lb/in <sup>2</sup> English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	
Deflection Temperature at 1.8 MPa (264 psi)	155 °C	311 °F	
Vicat Softening Point	145 °C	293 °F	B

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 70.0 °C	104 - 158 °F	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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