

## Plastcom SLOVALEN PH 49 GF 25 PP, 25% glass fibre, mod. of mech. properties

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

### Material Notes:

Features Modified homopolymer PP for injection moulding, chemically reinforced with 25 % glass fibre, contains the modifier of mechanical properties. Increased strength in comparison with unfilled PP. Applied in all industry branches. Increased strength, toughness, modulus in tension due to the modification. Delivered in natural and in the full RAL colour scale. Moderately increased toughness and lower MFI 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-49-GF-25-PP-25-glass-fibre-mod-of-mech-properties.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-49-GF-25-PP-25-glass-fibre-mod-of-mech-properties.php)

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0072 cm/cm	0.0072 in/in	
Linear Mold Shrinkage, Transverse	0.0085 cm/cm	0.0085 in/in	
Melt Flow	4.0 g/10 min @Load 0.325 kg, Temperature 270 °C	4.0 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	5.70 GPa	827 ksi	
Flexural Strength	112 MPa	16200 psi	
Flexural Modulus	5.45 GPa	790 ksi	
Charpy Impact Unnotched	4.30 J/cm <sup>2</sup> @Temperature -20.0 °C	20.5 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
	4.80 J/cm <sup>2</sup> @Temperature 23.0 °C	22.8 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
Charpy Impact, Notched	0.700 J/cm <sup>2</sup> @Temperature -20.0 °C	3.33 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	

Mechanical Properties	Metric	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	162 °C	324 °F	B

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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