

## Plastcom SLOVALEN PH 69 GF 40 PP, 40% glass fibre, mod. of mech. properties

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Glass Fiber Filler

### Material Notes:

**Features**Modified homopolymer PP for injection moulding, chemically reinforced with 40% 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 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-PH-69-GF-40-PP-40-glass-fibre-mod-of-mech-properties.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-69-GF-40-PP-40-glass-fibre-mod-of-mech-properties.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0078 cm/cm	0.0078 in/in	
Linear Mold Shrinkage, Transverse	0.0093 cm/cm	0.0093 in/in	
Melt Flow	2.0 g/10 min @Load 0.325 kg, Temperature 270 °C	2.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	9.50 GPa	1380 ksi	
Flexural Strength	145 MPa	21000 psi	
Flexural Modulus	7.85 GPa	1140 ksi	
Charpy Impact Unnotched	4.70 J/cm <sup>2</sup>	22.4 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	5.10 J/cm <sup>2</sup>	24.3 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Mechanical Properties	Metric N/mm <sup>2</sup> /cm <sup>2</sup>	English lb/in <sup>2</sup>	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)	145 °C	293 °F	
Vicat Softening Point	165 °C	329 °F	B
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 80.0 °C	104 - 176 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China