

## Plastcom SLOVALEN PH 49 GF 10 GB 20 PP, 20% glass beads, 10% glass fibre, coupling agent

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

### Material Notes:

Features Modified homopolymer PP for injection moulding, chemically reinforced with 10 % glass fiber and 20% glass beads, 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-49-GF-10-GB-20-PP-20-glass-beads-10-glass-fibre-coupling-agent.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-49-GF-10-GB-20-PP-20-glass-beads-10-glass-fibre-coupling-agent.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 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	37.0 MPa	5370 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	2.25 GPa	326 ksi	
Flexural Strength	51.0 MPa	7400 psi	
Flexural Modulus	2.18 GPa	316 ksi	
Charpy Impact Unnotched	2.50 J/cm <sup>2</sup> @Temperature -20.0 °C	11.9 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
	4.50 J/cm <sup>2</sup> @Temperature 23.0 °C	21.4 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
	0.500 J/cm <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature -20.0 °C	English @ Temperature -4.00 °F	Comments
	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	
	@ 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)	88.0 °C	190 °F	
Vicat Softening Point	156 °C	313 °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	2 hour	2 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	
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