

## Plastcom SLOVAMID 66 GF 30 FRG 5 PA66, 30% glass fibre, flame retarder

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, Glass Fiber Filled, Flame Retardant

### Material Notes:

FeaturesPA 66 for injection moulding, chemically reinforced with 30 % glass fibre and non-halogen flame retardant, with heat resistance and nonflammability, achieves V 0 /0,8 mm/ in accordance with UL 94. Nonhalogen flame retardant on the basis of white phosphorus guarantees excellent electric parameters like eg. electric strength and CTI. Application in electrotechnical industry: breakers, coil forms, covers, terminals. Delivered in natural and black mode.Packaging, transport, stockingThe 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-SLOVAMID-66-GF-30-FRG-5-PA66-30-glass-fibre-flame-retarder.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-66-GF-30-FRG-5-PA66-30-glass-fibre-flame-retarder.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	
Viscosity Measurement	0.52 - 0.62	0.52 - 0.62	
Linear Mold Shrinkage	0.0052 cm/cm	0.0052 in/in	
Linear Mold Shrinkage, Transverse	0.0062 cm/cm	0.0062 in/in	
Melt Flow	1.0 g/10 min	1.0 g/10 min	
	@Load 0.325 kg, Temperature 270 °C	@Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	165 MPa	23900 psi	
Elongation at Break	1.5 %	1.5 %	
Tensile Modulus	10.5 GPa	1520 ksi	
Flexural Strength	235 MPa	34100 psi	
Flexural Modulus	8.60 GPa	1250 ksi	
Charpy Impact Unnotched	8.00 J/cm <sup>2</sup>	38.1 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	8.50 J/cm <sup>2</sup>	40.4 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1.20 J/cm <sup>2</sup>	5.71 ft-lb/in <sup>2</sup>	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature -20.0 °C	English @ Temperature -4.00 °F	Comments
	1.60 J/cm <sup>2</sup>	7.61 ft-lb/in <sup>2</sup>	
	@ Temperature 23.0 °C	@ Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	
Deflection Temperature at 1.8 MPa (264 psi)	240 °C	464 °F	
Vicat Softening Point	250 °C	482 °F	B
Flammability, UL94	V-0 @ Thickness 0.800 mm	V-0 @ Thickness 0.0315 in	
Glow Wire Test	960 °C	1760 °F	at 3 mm

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	
Dielectric Strength	70.0 kV/mm	1780 kV/in	
Comparative Tracking Index	600 V	600 V	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.15 %	0.15 %	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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