

## Plastcom SLOVAMID 6/66 GF 30 FRG 5 TS PA6/66, 30% glass fibre, flame retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , 30% Glass Fiber Reinforced

### Material Notes:

Features PA 6 + PA 66 alloy for injection moulding, chemically reinforced with 30 % glass fibre, with halogen and phosphorus free flame retardant. Main features: flammability in accordance with UL 94 V0 at 0,8 mm, glow wire at 960°C, CTI 650. Application for the electrical industry: protectors, coil forms, covers, terminals. Delivered in natural 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-SLOVAMID-666-GF-30-FRG-5-TS-PA666-30-glass-fibre-flame-retardant.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-666-GF-30-FRG-5-TS-PA666-30-glass-fibre-flame-retardant.php)

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in <sup>3</sup>	
Viscosity Measurement	0.40 - 0.52	0.40 - 0.52	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0052 cm/cm	0.0052 in/in	
Melt Flow	2.0 g/10 min	2.0 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	195 MPa	28300 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	10.0 GPa	1450 ksi	
Flexural Strength	245 MPa	35500 psi	
Flexural Modulus	8.75 GPa	1270 ksi	
Charpy Impact Unnotched	7.50 J/cm <sup>2</sup>	35.7 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	

Mechanical Properties	Metric /cm <sup>2</sup>	English lb/in <sup>2</sup>	Comments
Charpy Impact, Notched	@Temperature -20.0 °C	@Temperature -4.00 °F	
	1.10 J/cm <sup>2</sup>	5.23 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	262 °C	504 °F	
Deflection Temperature at 1.8 MPa (264 psi)	245 °C	473 °F	
Vicat Softening Point	252 °C	486 °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+13 ohm-cm	1.00e+13 ohm-cm	
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	
Dielectric Strength	60.0 kV/mm	1520 kV/in	
Comparative Tracking Index	650 V	650 V	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 300 °C	518 - 572 °F	
Mold Temperature	70.0 - 100 °C	158 - 212 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.15 %	0.15 %	
Injection Pressure	70.0 - 100 MPa	10200 - 14500 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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