

## Plastcom SLOVAMID 6 GF 20 FRG 3 PA6, 20% glass fibre, flame retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled , Nylon 6, Glass Fiber Filled, Flame Retardant

### Material Notes:

Features PA 6 for injection moulding, chemically reinforced with 20 % glass fibre, with halogen free flame retardant. Main features: flammability in accordance with UL 94 V2 at 1.6 mm, glow wire at 960°C, CTI 600. Application for the electrical industry: protectors, coil forms, covers, terminals. 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-SLOVAMID-6-GF-20-FRG-3-PA6-20-glass-fibre-flame-retardant.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-6-GF-20-FRG-3-PA6-20-glass-fibre-flame-retardant.php)

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in <sup>3</sup>	
Viscosity Measurement	0.63 - 0.81	0.63 - 0.81	
Linear Mold Shrinkage	0.0063 cm/cm	0.0063 in/in	
Linear Mold Shrinkage, Transverse	0.0081 cm/cm	0.0081 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	120 MPa	17400 psi	
Elongation at Break	2.0 %	2.0 %	
Tensile Modulus	6.50 GPa	943 ksi	
Flexural Strength	175 MPa	25400 psi	
Flexural Modulus	5.80 GPa	841 ksi	
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup> @Temperature -20.0 °C	23.8 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
	5.50 J/cm <sup>2</sup> @Temperature 23.0 °C	26.2 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
Charpy Impact, Notched	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	

Mechanical Properties	@Temperature -20.0 °C Metric	@Temperature -4.00 °F English	Comments
	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	
Vicat Softening Point	210 °C	410 °F	B
Flammability, UL94	V-2	V-2	
	@Thickness 1.60 mm	@Thickness 0.0630 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	600 V	600 V	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	50.0 - 70.0 °C	122 - 158 °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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