

## Plastcom SLOVAMID 6/66 GF 20 T 10 FRG 5 PA6/66, 20% glass fibre, flame retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , 20% Glass Fiber Reinforced

### Material Notes:

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-20-T-10-FRG-5-PA666-20-glass-fibre-flame-retardant.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-666-GF-20-T-10-FRG-5-PA666-20-glass-fibre-flame-retardant.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	
Viscosity Measurement	0.36 - 0.37	0.36 - 0.37	
Linear Mold Shrinkage	0.0037 cm/cm	0.0037 in/in	
Linear Mold Shrinkage, Transverse	0.0036 cm/cm	0.0036 in/in	
Melt Flow	5.0 g/10 min @Load 0.325 kg, Temperature 270 °C	5.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	105 MPa	15200 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	8.56 GPa	1240 ksi	
Flexural Strength	155 MPa	22500 psi	
Flexural Modulus	8.32 GPa	1210 ksi	
Charpy Impact Unnotched	3.50 J/cm <sup>2</sup> @Temperature 23.0 °C	16.7 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
	3.80 J/cm <sup>2</sup> @Temperature -20.0 °C	18.1 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
Charpy Impact, Notched	0.400 J/cm <sup>2</sup> @Temperature -20.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	

Mechanical Properties	0.500 J/cm <sup>2</sup> Metric	2.38 ft-lb/in <sup>2</sup> English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	
Glow Wire Test	960 °C	1760 °F	

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	25.0 kV/mm	635 kV/in	
Comparative Tracking Index	550 V	550 V	

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 280 °C	500 - 536 °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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