

## Plastcom SLOVAMID® 6/6T GF 35 TS PA6/6T reinforced with glass fiber, improved heat resistance

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Partially Aromatic, Glass Filled , Nylon, Aromatic

### Material Notes:

PA 6/6T for injection molding, reinforced with 35% of glass fiber, for moldings with high strength and toughness used in the automotive, electrical, engineering and consumer-goods industry, improved heat resistance. Delivered in natural mode and in the full RAL color scale. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-SLOVAMID-66T-GF-35-TS-PA66T-reinforced-with-glass-fiber-improved-heat-resistance.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-66T-GF-35-TS-PA66T-reinforced-with-glass-fiber-improved-heat-resistance.php)

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in <sup>3</sup>	STN EN ISO 1183-1
Filler Content	35 %	35 %	
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	STN EN ISO 294-4
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	STN EN ISO 294-4
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 275 °C	3.0 g/10 min @Load 4.76 lb, Temperature 527 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	200 MPa	29000 psi	STN EN ISO 527-2
Elongation at Break	2.0 %	2.0 %	STN EN ISO 527-2
Tensile Modulus	11.8 GPa	1710 ksi	STN EN ISO 527-2
Flexural Strength	310 MPa	45000 psi	STN EN ISO 178
Flexural Modulus	9.90 GPa	1440 ksi	STN EN ISO 178
Charpy Impact Unnotched	9.00 J/cm <sup>2</sup> @Temperature -20.0 °C	42.8 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	9.50 J/cm <sup>2</sup> @Temperature 23.0 °C	45.2 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.900 J/cm <sup>2</sup> @Temperature -20.0 °C	4.28 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	1.60 J/cm <sup>2</sup>	7.61 ft-lb/in <sup>2</sup>	STN EN ISO 179

Mechanical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
<b>Thermal Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Melting Point	295 °C	563 °F	STN EN 11357-1
Deflection Temperature at 1.8 MPa (264 psi)	275 °C	527 °F	STN EN ISO 75-2 (A)
Vicat Softening Point	275 °C	527 °F	STN EN ISO 306
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C @Thickness 3.00 mm	1200 °F @Thickness 0.118 in	STN EN 60695-2-12

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+15 ohm-cm	5.00e+15 ohm-cm	STN 34 6460
Surface Resistance	8.00e+13 ohm	8.00e+13 ohm	STN 34 6460
Dielectric Strength	20.0 kV/mm	508 kV/in	STN EN 60243-2
Comparative Tracking Index	600 V	600 V	STN EN 60112

Processing Properties	Metric	English	Comments
Melt Temperature	310 - 340 °C	590 - 644 °F	
Mold Temperature	90.0 - 120 °C	194 - 248 °F	
Drying Temperature	120 °C @Time 14400 sec	248 °F @Time 4.00 hour	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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