

## Plastcom SLOVAMID 66 GF 35 FRI 3 Polyamide 66, 35% Glass Fiber, Halogen Free Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled , Nylon 66, Glass Fiber Filled, Flame Retardant

### Material Notes:

Features PA 66 for injection moulding, chemically reinforced with 35% glass fiber and non-halogen flame retardant, with heat and flammability resistance, achieves V-0 in accordance with UL 94. Non-halogen flame retardant on the basis of red phosphorus guarantees excellent electric parameters like electric strength and CTI. Application in electro-technical industry: breakers, coil forms, covers, terminals. Delivered in natural and black color. Application: Injection Moulding Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-SLOVAMID-66-GF-35-FRI-3-Polyamide-66-35-Glass-Fiber-Halogen-Free-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-66-GF-35-FRI-3-Polyamide-66-35-Glass-Fiber-Halogen-Free-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	STN 64 0111
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0085 cm/cm	0.0085 in/in	STN 64 0808
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 230 °C	1.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	150 MPa	21800 psi	STN EN ISO 527-2
Elongation at Break	3.0 %	3.0 %	STN EN ISO 527-2
Tensile Modulus	10.0 GPa	1450 ksi	STN EN ISO 527-2
Flexural Strength	240 MPa	34800 psi	STN EN ISO 178
Flexural Modulus	8.00 GPa	1160 ksi	STN EN ISO 178
Charpy Impact Unnotched	6.00 J/cm <sup>2</sup> @Temperature -20.0 °C	28.6 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	7.00 J/cm <sup>2</sup> @Temperature 23.0 °C	33.3 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	1.10 J/cm <sup>2</sup> @Temperature -20.0 °C	5.23 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	1.20 J/cm <sup>2</sup> @Temperature 23.0 °C	5.71 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179

Mechanical Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	DSC; STN EN ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	STN EN ISO 75/A
Vicat Softening Point	250 °C	482 °F	B; STN EN ISO 306
Flammability, UL94	V-0	V-0	
Glow Wire Test	960 °C	1760 °F	STN IEC 60695-2-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	STN IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	STN IEC 60093
Dielectric Strength	70.0 kV/mm	1780 kV/in	STN IEC 60243
Comparative Tracking Index	600 V	600 V	STN 34 6468

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 %	STN EN ISO 960
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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