

## Plastcom SLOVAMID 6 GF 30 LS Polyamide 6, 30% Glass Fiber, UV Stabilization

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

### Material Notes:

Features PA 6 for injection moulding, chemically reinforced with 30% glass fiber, stabilized against UV-radiation. Used for the grips of electric tools, hobby tools, gears, covers of electric tools. External use. Application for the connecting components of stadium seats.

Delivered in natural and in the full RAL color scale. 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-6-GF-30-LS-Polyamide-6-30-Glass-Fiber-UV-Stabilization.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-6-GF-30-LS-Polyamide-6-30-Glass-Fiber-UV-Stabilization.php)

Physical Properties	Metric	English	Comments
Density	1.33 g/cc	0.0480 lb/in <sup>3</sup>	STN 64 0111
Linear Mold Shrinkage	0.0055 cm/cm	0.0055 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0106 cm/cm	0.0106 in/in	STN 64 0808
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	165 MPa	23900 psi	STN EN ISO 527-2
Elongation at Break	4.0 %	4.0 %	STN EN ISO 527-2
Tensile Modulus	8.50 GPa	1230 ksi	STN EN ISO 527-2
Flexural Strength	200 MPa	29000 psi	STN EN ISO 178
Flexural Modulus	7.60 GPa	1100 ksi	STN EN ISO 178
Charpy Impact Unnotched	5.50 J/cm <sup>2</sup> @Temperature -20.0 °C	26.2 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	6.00 J/cm <sup>2</sup> @Temperature 23.0 °C	28.6 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

Thermal Properties	Metric	English	Comments
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<b>Melting Point</b> Thermal Properties	<b>220 °C</b> Metric	<b>428 °F</b> English	<b>DSC: STN EN ISO 3146</b> Comments
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	STN EN ISO 75/A
Vicat Softening Point	210 °C	410 °F	B; STN EN ISO 306
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °F	STN IEC 60695-2-10

<b>Electrical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Volume Resistivity	5.00e+13 ohm-cm	5.00e+13 ohm-cm	STN IEC 60093
Surface Resistance	8.00e+13 ohm	8.00e+13 ohm	STN IEC 60093
Dielectric Strength	20.0 kV/mm	508 kV/in	STN IEC 60243
Comparative Tracking Index	575 V	575 V	STN 34 6468

<b>Processing Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Melt Temperature	250 - 270 °C	482 - 518 °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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