

## Plastcom SLOVAMID® 6 GF 25 E LS PA6 reinforced with glass fiber, UV stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

PA 6 grade for extrusion, reinforced with 25% glass fiber, determined for extrusion of window profile systems. Delivered in natural as well as full RAL scale color. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-SLOVAMID-6-GF-25-E-LS-PA6-reinforced-with-glass-fiber-UV-stabilized.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-6-GF-25-E-LS-PA6-reinforced-with-glass-fiber-UV-stabilized.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	STN EN ISO 1183-1
Filler Content	25 %	25 %	
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 275 °C	6.0 g/10 min @Load 4.76 lb, Temperature 527 °F	STN EN ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	STN EN ISO 527-2
Elongation at Break	3.5 %	3.5 %	STN EN ISO 527-2
Tensile Modulus	8.50 GPa	1230 ksi	STN EN ISO 527-2
Flexural Strength	175 MPa	25400 psi	STN EN ISO 178
Flexural Modulus	5.30 GPa	769 ksi	STN EN ISO 178
Charpy Impact Unnotched	4.40 J/cm <sup>2</sup> @Temperature -20.0 °C	20.9 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	5.00 J/cm <sup>2</sup> @Temperature 23.0 °C	23.8 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.350 J/cm <sup>2</sup> @Temperature -20.0 °C	1.67 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	0.400 J/cm <sup>2</sup> @Temperature 23.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	STN EN 11357-1

Thermal Properties	Metric	English	Comments
Vicat Softening Point	250 °C	482 °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	1.00e+15 ohm-cm	1.00e+15 ohm-cm	STN 34 6460
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	STN 34 6460
Dielectric Strength	25.0 kV/mm	635 kV/in	STN EN 60243-2

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 260 °C	464 - 500 °F	
Drying Temperature	80.0 °C @Time 14400 sec	176 °F @Time 4.00 hour	
Moisture Content	0.15 %	0.15 %	STN EN ISO 3344

## Contact Songhan Plastic Technology Co.,Ltd.

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