

## Plastcom SLOVAMID 6 GF 15 T 25 Polyamide 6, 15% Glass Fiber, 25% Micronized Talc

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 20% Glass Fiber Filled , Nylon 6 , 30% Mineral Filled

### Material Notes:

Features Good anisotropy of the manufacturing shrinkage. The talc is added to get the material shrinkage identical in both directions.

Application for flat products in disc form / no screw after cooling off / and for thick-walled products, at which the protection against the material failure is guaranteed. PA for injection moulding with the content of 25% micronized talc. 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-15-T-25-Polyamide-6-15-Glass-Fiber-25-Micronized-Talc.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-6-GF-15-T-25-Polyamide-6-15-Glass-Fiber-25-Micronized-Talc.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	STN 64 0111
Linear Mold Shrinkage	0.0064 cm/cm	0.0064 in/in	STN 64 0808
Linear Mold Shrinkage, Transverse	0.0189 cm/cm	0.0189 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	90.0 MPa	13100 psi	STN EN ISO 527-2
Elongation at Break	1.5 %	1.5 %	STN EN ISO 527-2
Tensile Modulus	8.00 GPa	1160 ksi	STN EN ISO 527-2
Flexural Strength	120 MPa	17400 psi	STN EN ISO 178
Flexural Modulus	5.80 GPa	841 ksi	STN EN ISO 178
Charpy Impact Unnotched	2.00 J/cm <sup>2</sup> @Temperature -20.0 °C	9.52 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179
	2.50 J/cm <sup>2</sup> @Temperature 23.0 °C	11.9 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
Charpy Impact, Notched	0.300 J/cm <sup>2</sup> @Temperature 23.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	STN EN ISO 179
	0.300 J/cm <sup>2</sup> @Temperature -20.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	STN EN ISO 179

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

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 280 °C	482 - 536 °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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