

## Plastcom SLOVAMID 66 FRC 2 PA66, basic type

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

Features Modified for general use, with excellent manufacturing properties, characterized by high strength and toughness also at minus temperatures. Used in automotive, electrical, engineering and consumer goods industry. Application: electric tools, gear wheels, clamps, fasteners, toolbodies, webbing slings for cable harnesses. Packaging, transport, stocking The product is packed in hermetically closed thick-walled 25 kg PE bags, on a 1.000 kg palette coated in a stretch foil, in big bags with a thick PE foil fixed on a 1.000 kg palette, in paper octabins with a thick PE foil fixed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-SLOVAMID-66-FRC-2-PA66-basic-type.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-66-FRC-2-PA66-basic-type.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in <sup>3</sup>	
Viscosity Measurement	1.8 - 1.93	1.8 - 1.93	
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	
Linear Mold Shrinkage, Transverse	0.0193 cm/cm	0.0193 in/in	
Melt Flow	4.0 g/10 min @Load 0.325 kg, Temperature 270 °C	4.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	80.0 MPa	11600 psi	
Elongation at Break	3.0 %	3.0 %	
Tensile Modulus	3.20 GPa	464 ksi	
Flexural Strength	110 MPa	16000 psi	
Flexural Modulus	2.70 GPa	392 ksi	
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	
	10.0 J/cm <sup>2</sup> @Temperature 23.0 °C	47.6 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
Charpy Impact, Notched	0.150 J/cm <sup>2</sup>	0.714 ft-lb/in <sup>2</sup>	

Mechanical Properties	@Temperature -20.0 °C Metric	@Temperature -4.00 °F English	Comments
	0.200 J/cm <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	
Deflection Temperature at 1.8 MPa (264 psi)	68.0 °C	154 °F	
Vicat Softening Point	250 °C	482 °F	B
Flammability, UL94	V-0	V-0	
Glow Wire Test	960 °C	1760 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Strength	30.0 kV/mm	762 kV/in	
Comparative Tracking Index	600 V	600 V	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	80.0 - 90.0 °C	176 - 194 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.15 %	0.15 %	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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