

## Plastcom SLOVAMID 66 OB PA66, optically brightened

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Unreinforced

### Material Notes:

Features PA 66 for injection moulding, optical brightened, for mouldings with high surface brightness, with increased toughness and modulus of elasticity in tension in comparison with the basic type. The microcrystal structure guarantees the isotropy of mechanical properties. Use in the engineering and electrical industry. Delivered in natural mode. 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-OB-PA66-optically-brightened.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-66-OB-PA66-optically-brightened.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 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	4.0 g/10 min	
	@Load 0.325 kg, Temperature 270 °C	@Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	
Elongation at Break	3.5 %	3.5 %	
Tensile Modulus	3.50 GPa	508 ksi	
Flexural Strength	120 MPa	17400 psi	
Flexural Modulus	2.90 GPa	421 ksi	
Charpy Impact Unnotched	10.0 J/cm <sup>2</sup>	47.6 ft-lb/in <sup>2</sup>	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	11.0 J/cm <sup>2</sup>	52.3 ft-lb/in <sup>2</sup>	
	@Temperature 23.0 °C	@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	HB	HB	
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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