

## Plastcom SLOVAMID 66 GB 20 LS PA66, 20% glass beads, light stability

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Bead Filled

### Material Notes:

Features PA 66 for injection moulding, chemically reinforced with 20 % glass beads, light stabilized, suitable for high strength and high impacted mouldings. Used in automotive, engineering and electrical industry. Can be used in environment, in which longtime heat impact of up to 200°C occurs. Decrease in tensile strength by 50 % after 5000 hours at 170°C. The heat stabilization predetermines the products to environment with longtime heat exposure. 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-GB-20-LS-PA66-20-glass-beads-light-stability.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-66-GB-20-LS-PA66-20-glass-beads-light-stability.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	
Viscosity Measurement	1.55 - 1.66	1.55 - 1.66	
Linear Mold Shrinkage	0.0155 cm/cm	0.0155 in/in	
Linear Mold Shrinkage, Transverse	0.0166 cm/cm	0.0166 in/in	
Melt Flow	3.0 g/10 min @Load 0.325 kg, Temperature 270 °C	3.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	45.0 MPa	6530 psi	
Elongation at Break	20 %	20 %	
Tensile Modulus	3.10 GPa	450 ksi	
Flexural Strength	65.0 MPa	9430 psi	
Flexural Modulus	2.50 GPa	363 ksi	
Charpy Impact Unnotched	4.00 J/cm <sup>2</sup> @Temperature 23.0 °C	19.0 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
	4.00 J/cm <sup>2</sup> @Temperature -20.0 °C	19.0 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
	0.100 J/cm <sup>2</sup>	0.476 ft-lb/in <sup>2</sup>	

Charpy Impact, Notched Mechanical Properties	Metric @ Temperature -20.0 °C	English @ Temperature -4.00 °F	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)	250 °C	482 °F	
Vicat Softening Point	250 °C	482 °F	B
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	280 - 300 °C	536 - 572 °F	
Mold Temperature	60.0 - 90.0 °C	140 - 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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