

Plastcom SLOVAMID 66 GF 10 PA66, 10% glass fibre

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled

Material Notes:

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-GF-10-PA66-10-glass-fibre.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|---------------------------------------|---------------------------------------|----------|
| Density | 1.19 g/cc | 0.0430 lb/in ³ | |
| Viscosity Measurement | 0.80 - 1.2 | 0.80 - 1.2 | |
| Linear Mold Shrinkage | 0.0080 cm/cm | 0.0080 in/in | |
| Linear Mold Shrinkage, Transverse | 0.012 cm/cm | 0.012 in/in | |
| Melt Flow | 3.0 g/10 min | 3.0 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 | 110 MPa | 16000 psi | |
| Elongation at Break | 2.7 % | 2.7 % | |
| Tensile Modulus | 6.00 GPa | 870 ksi | |
| Flexural Strength | 170 MPa | 24700 psi | |
| Flexural Modulus | 5.50 GPa | 798 ksi | |
| Charpy Impact Unnotched | 3.00 J/cm ² | 14.3 ft-lb/in ² | |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |
| | 3.50 J/cm ² | 16.7 ft-lb/in ² | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact, Notched | 0.500 J/cm ² | 2.38 ft-lb/in ² | |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |
| | 0.600 J/cm ² | 2.86 ft-lb/in ² | |

| Mechanical Properties | Metric @ Temperature 23.0 °C | English @ Temperature 73.4 °F | Comments |
|-----------------------|---------------------------------|----------------------------------|----------|
|-----------------------|---------------------------------|----------------------------------|----------|

| 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 | |

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