

Plastcom SLOVAMID 6 MI/2 PA6, improved strength

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Impact Grade

Material Notes:

Features PA 6 with the content of thermoplastic kaoutchouc. Impacted, for mouldings with high toughness either at minus temperatures, suitable for external use, eg. ski shoes, sports and safety helmets, protection ledges of the car-doors. Delivered in natural mode and in the full RAL colour scale. 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-6-MI2-PA6-improved-strength.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|---|---|----------|
| Density | 1.08 g/cc | 0.0390 lb/in ³ | |
| Viscosity Measurement | 1.92 - 1.95 | 1.92 - 1.95 | |
| Linear Mold Shrinkage | 0.0192 cm/cm | 0.0192 in/in | |
| Linear Mold Shrinkage, Transverse | 0.0195 cm/cm | 0.0195 in/in | |
| Melt Flow | 8.0 g/10 min @Load 0.325 kg, Temperature 270 °C | 8.0 g/10 min @Load 0.716 lb, Temperature 518 °F | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---|---|----------|
| Tensile Strength at Break | 70.0 MPa | 10200 psi | |
| Elongation at Break | 4.0 % | 4.0 % | |
| Tensile Modulus | 2.20 GPa | 319 ksi | |
| Flexural Strength | 60.0 MPa | 8700 psi | |
| Flexural Modulus | 1.80 GPa | 261 ksi | |
| Charpy Impact Unnotched | 11.0 J/cm ² @Temperature -20.0 °C | 52.3 ft-lb/in ² @Temperature -4.00 °F | |
| | NB @Temperature 23.0 °C | NB @Temperature 73.4 °F | |
| Charpy Impact, Notched | 0.570 J/cm ² | 2.71 ft-lb/in ² | |

| Mechanical Properties | @Temperature -20.0 °C Metric | @Temperature -4.00 °F English | Comments |
|-----------------------|---------------------------------|----------------------------------|----------|
| | 0.940 J/cm ² | 4.47 ft-lb/in ² | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|--|---------|---------|----------|
| Melting Point | 220 °C | 428 °F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 50.0 °C | 122 °F | |
| Vicat Softening Point | 180 °C | 356 °F | B |
| Flammability, UL94 | HB | HB | |
| Glow Wire Test | 750 °C | 1380 °F | |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|-------------------|----------|
| Melt Temperature | 240 - 260 °C | 464 - 500 °F | |
| Mold Temperature | 50.0 - 60.0 °C | 122 - 140 °F | |
| Drying Temperature | 80.0 °C | 176 °F | |
| Dry Time | 4 hour | 4 hour | |
| Moisture Content | 0.15 % | 0.15 % | |
| Injection Pressure | 80.0 - 150 MPa | 11600 - 21800 psi | |

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