

Plastcom SLOVAMID 6 GF 30 Polyamide 6, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

Material Notes:

Features PA 6 for injection moulding, chemically strengthened with 30% of glass fiber, for mouldings with high strength and toughness used in the automotive, electrical, engineering and consumer-goods industry. Application: grips of electro tools, hobby tools, gears, covers of electric appliances, cooling screws of blowers, electromotors, carrying parts in the automotive industry, gas pedals, etc. Delivered in natural mode and in the full RAL color scale. Application: Injection Moulding Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-6-GF-30-Polyamide-6-30-Glass-Fiber.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--|--|-----------------|
| Density | 1.33 g/cc | 0.0480 lb/in ³ | STN 64 0111 |
| Linear Mold Shrinkage | 0.0055 cm/cm | 0.0055 in/in | STN 64 0808 |
| Linear Mold Shrinkage, Transverse | 0.0106 cm/cm | 0.0106 in/in | STN 64 0808 |
| Melt Flow | 3.0 g/10 min @Load 2.16 kg, Temperature 230 °C | 3.0 g/10 min @Load 4.76 lb, Temperature 446 °F | STN EN ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---|---|------------------|
| Tensile Strength at Break | 170 MPa | 24700 psi | STN EN ISO 527-2 |
| Elongation at Break | 3.0 % | 3.0 % | STN EN ISO 527-2 |
| Tensile Modulus | 9.60 GPa | 1390 ksi | STN EN ISO 527-2 |
| Flexural Strength | 235 MPa | 34100 psi | STN EN ISO 178 |
| Flexural Modulus | 8.40 GPa | 1220 ksi | STN EN ISO 178 |
| Charpy Impact Unnotched | 7.50 J/cm ² @Temperature -20.0 °C | 35.7 ft-lb/in ² @Temperature -4.00 °F | STN EN ISO 179 |
| | 8.50 J/cm ² @Temperature 23.0 °C | 40.4 ft-lb/in ² @Temperature 73.4 °F | STN EN ISO 179 |
| Charpy Impact, Notched | 1.10 J/cm ² @Temperature -20.0 °C | 5.23 ft-lb/in ² @Temperature -4.00 °F | STN EN ISO 179 |
| | 1.20 J/cm ² @Temperature 23.0 °C | 5.71 ft-lb/in ² @Temperature 73.4 °F | STN EN ISO 179 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|----------------------|
| Melting Point | 220 °C | 428 °F | DSC; STN EN ISO 3146 |
| Deflection Temperature at 1.8 MPa (264 psi) | 212 °C | 414 °F | STN EN ISO 75/A |
| Vicat Softening Point | 221 °C | 430 °F | B; STN EN ISO 306 |
| Flammability, UL94 | HB | HB | |
| Glow Wire Test | 650 °C | 1200 °F | STN IEC 60695-2-10 |

| Electrical Properties | Metric | English | Comments |
|----------------------------|-----------------|-----------------|---------------|
| Volume Resistivity | 5.00e+13 ohm-cm | 5.00e+13 ohm-cm | STN IEC 60093 |
| Surface Resistance | 8.00e+13 ohm | 8.00e+13 ohm | STN IEC 60093 |
| Dielectric Strength | 20.0 kV/mm | 508 kV/in | STN IEC 60243 |
| Comparative Tracking Index | 575 V | 575 V | STN 34 6468 |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|-------------------|----------------|
| Melt Temperature | 250 - 280 °C | 482 - 536 °F | |
| Mold Temperature | 70.0 - 90.0 °C | 158 - 194 °F | |
| Drying Temperature | 80.0 °C | 176 °F | |
| Dry Time | 4 hour | 4 hour | |
| Moisture Content | 0.15 % | 0.15 % | STN EN ISO 960 |
| Injection Pressure | 70.0 - 120 MPa | 10200 - 17400 psi | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China