

Polykemi AB SCANMID 6 B22^ E F15 Nylon 6, Glass Fiber Reinforced, Modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 10% Glass Fiber Filled , Nylon 6 , 20% Glass Fiber Filled

Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polykemi-AB-SCANMID-6-B22-E-F15-Nylon-6-Glass-Fiber-Reinforced-Modified.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|-----------------------|
| Density | 1.21 g/cc | 0.0437 lb/in ³ | ISO 1183 |
| Filler Content | 15 % | 15 % | ±2%; Polykemi |
| Linear Mold Shrinkage | 0.0040 cm/cm | 0.0040 in/in | With Flow; ISO 2577 |
| | 0.0090 cm/cm | 0.0090 in/in | Across Flow; ISO 2577 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------------------|----------------------------|----------|
| Tensile Strength at Break | <= 125 MPa | <= 18100 psi | ISO/R527 |
| Flexural Strength | <= 180 MPa | <= 26100 psi | ISO 178 |
| Flexural Modulus | 4.70 GPa | 682 ksi | ISO 178 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact, Notched | 1.20 J/cm ² | 5.71 ft-lb/in ² | ISO 179 |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|---|--------------------|----------------------|-------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 210 °C | 410 °F | 120°C/h; ISO 75/1 |
| Deflection Temperature at 1.8 MPa (264 psi) | 185 °C | 365 °F | 120°C/h; ISO 75/1 |
| Vicat Softening Point | 200 °C | 392 °F | 50°C/h; ISO 306 |
| | @Load 5.001 kg | @Load 11.03 lb | |
| Flammability, UL94 | HB | HB | |
| | @Thickness 1.60 mm | @Thickness 0.0630 in | |
| Glow Wire Test | 650 °C | 1200 °F | IEC 695-2-1 |
| | @Thickness 2.00 mm | @Thickness 0.0787 in | |

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