

Wellman Wellamid® GF1758-BK2 33% Glass Fiber Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Description: Glass Fiber Reinforced Nylon 66 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-GF1758-BK2-33-Glass-Fiber-Reinforced-Nylon-66.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|-----------------------|---------------------------|---------------|
| Density | 1.36 g/cc | 0.0491 lb/in ³ | ISO 1183-87 |
| Filler Content | 33 % | 33 % | |
| Linear Mold Shrinkage, Flow | 0.0025 - 0.0055 cm/cm | 0.0025 - 0.0055 in/in | ISO DIS 294-4 |
| Linear Mold Shrinkage, Transverse | 0.011 - 0.014 cm/cm | 0.011 - 0.014 in/in | ISO DIS 294-4 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|------------|
| Tensile Strength at Break | 135 MPa | 19600 psi | ISO 527-93 |
| Elongation at Break | 2.0 % | 2.0 % | ISO 527-93 |
| Flexural Strength | 195 MPa | 28300 psi | ISO 178-93 |
| Flexural Modulus | 9.30 GPa | 1350 ksi | ISO 178-93 |
| Izod Impact, Notched (ISO) | 7.00 kJ/m ² | 3.33 ft-lb/in ² | ISO 180-93 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Melting Point | 260 °C | 500 °F | ISO 3146 |
| Deflection Temperature at 1.8 MPa (264 psi) | 240 °C | 464 °F | ISO 75-93 |

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