

Polyram Polytron P30N07 Polypropylene, 30% Long Glass Fiber, UV Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

Material Notes:

A chemically coupled 30% LGF reinforced natural PP, heat stabilized, UV stabilized for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-Polytron-P30N07-Polypropylene-30-Long-Glass-Fiber-UV-Stabilized.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|----------|
| Density | 1.12 g/cc | 0.0405 lb/in ³ | ISO 1183 |
| Linear Mold Shrinkage | 0.0017 cm/cm | 0.0017 in/in | ISO 2577 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|----------|
| Tensile Strength, Yield | 100 MPa | 14500 psi | ISO 527 |
| Elongation at Break | 2.6 % | 2.6 % | ISO 527 |
| Tensile Modulus | 6.00 GPa | 870 ksi | ISO 527 |
| Flexural Strength | 150 MPa | 21800 psi | ISO 178 |
| Flexural Modulus | 5.20 GPa | 754 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 18.0 kJ/m ² | 8.57 ft-lb/in ² | ISO 180 |
| Charpy Impact Unnotched | 6.00 J/cm ² | 28.6 ft-lb/in ² | ISO 179 |
| Charpy Impact, Notched | 1.80 J/cm ² | 8.57 ft-lb/in ² | ISO 179 |

| Thermal Properties | Metric | English | Comments |
|---|--------------------------|---------------------------|-----------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 149 °C | 300 °F | ISO 75 |
| Flammability, UL94 | HB @Thickness 3.00 mm | HB @Thickness 0.118 in | |
| Glow Wire Test | 750 °C | 1380 °F | GWFI; IEC 60695 |

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