

Qualchem Danaprop PP2GF-15 Polypropylene, 15% Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Polypropylene (homo-polymer) reinforced with glass fiber Information provided by Qualchem Zrt.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Qualchem-Danaprop-PP2GF-15-Polypropylene-15-Glass-Fiber.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|-------------|
| Filler Content | 13 - 17 % | 13 - 17 % | |
| Linear Mold Shrinkage | 0.0025 cm/cm | 0.0025 in/in | ASTM D955 |
| Melt Flow | 17 g/10 min | 17 g/10 min | ASTM D1238L |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--|--|----------------------|
| Tensile Strength at Break | 64.0 MPa | 9280 psi | 50 mm/min; ASTM D638 |
| Elongation at Break | 4.5 % | 4.5 % | ASTM D638 |
| Tensile Modulus | 3.78 GPa | 548 ksi | ASTM D638 |
| Flexural Strength | 86.0 MPa | 12500 psi | 10mm/min; ASTM D790 |
| Flexural Modulus | 3.15 GPa | 457 ksi | ASTM D790 |
| Charpy Impact, Notched | 1.10 J/cm ² @Temperature 23.0 °C | 5.24 ft-lb/in ² @Temperature 73.4 °F | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 159 °C | 318 °F | ASTM D648 |

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