

Teknor Apex Synres® PP G15 18 Polypropylene, Glass Reinforced

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Notes: The Specialty Compounding Division offers a proprietary line of glass reinforced polypropylene. Typical applications include automotive, building and construction, industrial as well as many other applications requiring high rigidity. These compounds can be tailored to specific needs and are available pre-colored or natural. Forms: Pellets
Information Provided by Teknor Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Synres-PP-G15-18-Polypropylene-Glass-Reinforced.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------------------------------|--------------------------------------|------------|
| Specific Gravity | 0.980 g/cc | 0.980 g/cc | ASTM D792 |
| Melt Flow | 8.70 g/10 min | 8.70 g/10 min | ASTM D1238 |
| | @Load 2.16 kg, Temperature 230 °C | @Load 4.76 lb, Temperature 446 °F | |
| Ash | 15 % | 15 % | ASTM D5630 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--------------------|--------------------|------------------------|
| Hardness, Shore D | 77 | 77 | 10 seconds; ASTM D2240 |
| Tensile Strength at Break | 61.4 MPa | 8900 psi | ASTM D638 |
| | @Thickness 50.8 mm | @Thickness 2.00 in | |
| Flexural Modulus | 2.72 GPa | 395 ksi | ASTM D790 |
| Izod Impact, Notched | 0.854 J/cm | 1.60 ft-lb/in | ASTM D256 |
| Gardner Impact | 10.8 J | 8.00 ft-lb | ASTM D5420 |

| Thermal Properties | Metric | English | Comments |
|--|--------|---------|------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 156 °C | 312 °F | ASTM D648B |

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