

Teknor Apex Synres® PP G10 17 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-G10-17-Polypropylene-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ASTM D792
Melt Flow	9.00 g/10 min @Load 2.16 kg, Temperature 230 °C	9.00 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238
Ash	10 %	10 %	ASTM D5630

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	76	76	10 seconds; ASTM D2240
Tensile Strength at Break	55.2 MPa @Thickness 50.8 mm	8000 psi @Thickness 2.00 in	ASTM D638
Flexural Modulus	2.21 GPa	320 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 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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