

Teknor Apex Sinpolene GPP1620 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Glass Fiber Filler

Material Notes:

Availability: Africa & Middle East; Latin America; Asia Pacific; South America Additive: Glass Fiber Reinforcement, 20% Filler by Weight

Features: Good Dimensional Stability; High Heat Resistance; Good Impact Resistance; Medium Rigidity Uses: Automotive Applications;

Housings; Pump Parts Appearance: Colors Available Forms: Pellets Processing Method: Injection Molding Information Provided by Teknor

Apex

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-Sinpolene-GPP1620-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0060 cm/cm	0.0060 in/in	ASTM D955
Melt Flow	10.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	10.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	75.2 MPa	10900 psi	ASTM D638
Elongation at Break	14 %	14 %	ASTM D638
Flexural Strength	95.1 MPa	13800 psi	ASTM D790
Flexural Modulus	3.59 GPa	520 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm @Temperature 22.8 Â°C	1.40 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	159 Â°C	318 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	148 Â°C @Thickness 3.20 mm	298 Â°F @Thickness 0.126 in	Unannealed; ASTM D648

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