

Teknor Apex Sinpolene TPP2030 Polypropylene

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

Material Notes:

Availability: Africa & Middle East; Latin America; Asia Pacific; South America Talc Filler, 30% Filler by Weight Uses: Appliance Components; Automotive Applications; Housings 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-TPP2030-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM D955
Melt Flow	11.0 g/10 min @Load 2.16 kg, Temperature 230 °C	11.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4210 psi	ASTM D638
Elongation at Break	48 %	48 %	ASTM D412
Flexural Strength	39.0 MPa	5660 psi	ASTM D790
Flexural Modulus	2.23 GPa	323 ksi	ASTM D790
Izod Impact, Notched	0.491 J/cm @Temperature 22.8 °C	0.920 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	129 °C	264 °F	Unannealed; ASTM D648
Vicat Softening Point	152 °C	306 °F	Loading 1 (10 N); ASTM D1525

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