

Teknor Apex Sinpolene TPP1020 Polypropylene

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

Material Notes:

Availability: Africa & Middle East; Latin America; Asia Pacific; South America Talc Filler, 20% Filler by Weight Uses: 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-TPP1020-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 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 Â°C	11.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.0 MPa	5660 psi	ASTM D638
Elongation at Break	34 %	34 %	ASTM D638
Flexural Strength	52.0 MPa	7540 psi	ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	ASTM D790
Izod Impact, Notched	0.251 J/cm @Temperature 22.8 Â°C	0.470 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 Â°C	266 Â°F	Unannealed; ASTM D648
Vicat Softening Point	153 Â°C	307 Â°F	Loading 1 (10N); ASTM D1525

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