

Teknor Apex Sinpolene TPP2020 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: 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-TPP2020-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	ASTM D792
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 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	30.0 MPa	4350 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D412
Flexural Strength	38.0 MPa	5510 psi	ASTM D790
Flexural Modulus	1.95 GPa	283 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Temperature 22.8 Â°C	1.10 ft-lb/in @Temperature 73.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	123 Â°C	253 Â°F	Unannealed; ASTM D648
Vicat Softening Point	152 Â°C	306 Â°F	Loading 1 (10 N); ASTM D1525

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