

Teknor Apex Sinpolene TPP1040 Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Talc Filler

Material Notes:

Availability: Africa & Middle East; Latin America; Asia Pacific; South America Talc Filler, 40% 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-TPP1040-Polypropylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ASTM D955
Melt Flow	9.00 g/10 min @Load 2.16 kg, Temperature 230 Â°C	9.00 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Break	21 %	21 %	ASTM D638
Flexural Strength	52.0 MPa	7540 psi	ASTM D790
Flexural Modulus	3.53 GPa	512 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)	136 Â°C	277 Â°F	Unannealed; ASTM D648
Vicat Softening Point	154 Â°C	309 Â°F	Loading 1 (10N); ASTM D1525

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