



Sinpolene TPP1020

Teknor Apex Asia Pacific PTE. LTD. - Polypropylene Homopolymer

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Filler / Reinforcement	• Talc, 20% Filler by Weight
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.02		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	8.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4640	psi	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	334000	psi	ASTM D790
Flexural Strength	6530	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.47	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	266	°F	ASTM D648
Vicat Softening Temperature	307	°F	ASTM D1525 ²

Notes

¹ Typical properties: these are not to be construed as specifications.

² Loading 1 (10 N)