



Sinpolene CPP5540

Teknor Apex Asia Pacific PTE. LTD. - Polypropylene

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Filler / Reinforcement	• Calcium Carbonate, 40% Filler by Weight
Features	• UV Resistant
Uses	• Appliance Components • Industrial Applications
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	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)	3050	psi	ASTM D638
Tensile Elongation (Break)	77	%	ASTM D638
Flexural Modulus	284000	psi	ASTM D790
Flexural Strength	4930	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.49	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	244	°F	ASTM D648
Vicat Softening Temperature	298	°F	ASTM D1525 ²

Notes

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

² Loading 1 (10 N)