



Sinpolene GPP5620/8

Teknor Apex Asia Pacific PTE. LTD. - Compounded Polypropylene

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Features	• Good Dimensional Stability • Good Impact Resistance • High Heat Resistance • Medium Rigidity
Uses	• Electrical Parts
RoHS Compliance	• RoHS Compliant
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.12		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Across Flow	0.55	%	
Flow	0.35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	12000	psi	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	653000	psi	ASTM D790
Flexural Stress	13600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.4	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	313	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	288	°F	ASTM D648

Notes

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