



Sinpolene GPP1615/2

Teknor Apex Asia Pacific PTE. LTD. - Polypropylene

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Asia Pacific	• Latin America
Filler / Reinforcement	• Glass Fiber\Mineral, 30% Filler by Weight		
Features	• Good Dimensional Stability • Good Impact Resistance	• High Heat Resistance • Medium Rigidity	
Uses	• Automotive Applications	• Housings	• Pump Parts
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.16		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	4.7E-3	in/in	ASTM D955
Molding Shrinkage - Across Flow	4.7E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9140	psi	ASTM D638
Tensile Elongation (Break)	11	%	ASTM D638
Flexural Modulus	609000	psi	ASTM D790
Flexural Strength	11700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.84	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, 0.126 in	320	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed, 0.126 in	300	°F	ASTM D648

Notes

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