Sinpolene GPP5620

Polypropylene

Teknor Apex Asia Pacific PTE. LTD.

Message:

Sinpolene GPP5620 is a Polypropylene material filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, or Latin America for injection molding.
Important attributes of Sinpolene GPP5620 are:
Good Dimensional Stability
Heat Resistant
Impact Resistant
Rigid
Typical applications include:
Automotive
Engineering/Industrial Parts
Housings

General Information			
UL YellowCard	E142591-223226		
Filler / Reinforcement	Glass Fiber,20% 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		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.03	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.36	%	
Across Flow	0.77	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	50.0	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Flexural Strength	55.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact (23°C)	240	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.20 mm	150	°C	
1.8 MPa, Unannealed, 3.20 mm	121	°C	

Recommended distributors for this material

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