

- Compounded Polypropylene

Friday, June 30, 2017

General Information

Product Description

SINPOLENE GPP2010/3 is the premium mixed glass filler/glass bead reinforced polypropylene moulding compound.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific		
Filler / Reinforcement	• Glass Bead\Glass Fiber, 30% Filler by Weight		
Features	• Creep Resistant	• Good Dimensional Stability	• Medium Heat Resistance
Uses	• Appliances	• Automotive Applications	
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Across Flow	1.5	%	
Flow	0.43	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6670	psi	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	305000	psi	ASTM D790
Flexural Stress	7830	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.6	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	273	°F	ASTM D648

Notes

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

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