

- Polypropylene

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Asia Pacific	• Latin America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Features	• Good Dimensional Stability	• High Heat Resistance	
	• Good Impact Resistance	• Medium Rigidity	
Uses	• Automotive Applications	• Housings	• Pump Parts
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	3.6E-3	in/in	ASTM D955
Molding Shrinkage - Across Flow	7.7E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7250	psi	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus	355000	psi	ASTM D790
Flexural Strength	7980	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	4.5	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, 0.126 in	302	°F	
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, 0.126 in	250	°F	

Notes

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

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