

- Polypropylene

Friday, June 30, 2017

**General Information**

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Material Status	• Commercial: Active
Availability	• Africa & Middle East      • Asia Pacific      • Latin America
Filler / Reinforcement	• Glass\Mineral, 30% 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 <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
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**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

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