

- Polypropylene Homopolymer

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Latin America
Filler / Reinforcement	• Calcium Carbonate, 50% Filler by Weight
Features	• Homopolymer
Uses	• Appliance Components
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	7.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3920	psi	ASTM D638
Flexural Modulus	334000	psi	ASTM D790
Flexural Strength	6530	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.45	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	250	°F	ASTM D648
Vicat Softening Temperature	298	°F	ASTM D1525 ²

Notes

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

² Loading 1 (10 N)

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