

- Polypropylene

Friday, June 30, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• Flame Retardant • Halogen Free
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.972		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.013	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3340	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	203000	psi	ASTM D790
Flexural Strength	4790	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.94	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	217	°F	ASTM D648
Vicat Softening Temperature	295	°F	ASTM D1525 ²
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.12 in)	V-0		UL 94
Glow Wire Flammability Index	1760	°F	IEC 60695-2-12
Glow Wire Ignition Temperature	1380	°F	IEC 60695-2-13

Notes

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

² Loading 1 (10 N)

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