

- Rigid Polyvinyl Chloride

Thursday, June 29, 2017

General Information

General

Material Status	• Commercial: Active
Availability	• Asia Pacific
Features	• High Flow
Uses	• Electrical Parts • Fittings
Agency Ratings	• NSF STD-61
RoHS Compliance	• RoHS Compliant
Forms	• Granules
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	10	g/10 min	ASTM D1238
Congo Red (374°F)	30.0	min	BS 2782
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6960	psi	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.7	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	76		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	180	°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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