

PolyOne Geon™ Vinyl Rigid Molding MR840 Polyvinyl Chloride, Rigid (PVC, Rigid)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Rigid Grade

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Rigid-Molding-MR840-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792
Melt Flow	16 g/10 min @Load 21.6 kg, Temperature 190 °C	16 g/10 min @Load 47.6 lb, Temperature 374 °F	Procedure A; ASTM D1238
Spiral Flow	73.7 cm	29.0 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.3 MPa	5700 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	160 %	160 %	Type I, 51 mm/min; ASTM D638
Tensile Modulus	2.34 GPa	339 ksi	Type I, 5.1 mm/min; ASTM D638
Izod Impact, Notched	1.60 J/cm @Thickness 3.18 mm, Temperature -18.0 °C	3.00 ft-lb/in @Thickness 0.125 in, Temperature -0.400 °F	Injection Molded; ASTM D256A
	7.50 J/cm @Thickness 3.18 mm, Temperature 0.000 °C	14.1 ft-lb/in @Thickness 0.125 in, Temperature 32.0 °F	Injection Molded; ASTM D256A
	9.10 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	17.0 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	68.3 °C @Thickness 3.18 mm	155 °F @Thickness 0.125 in	Annealed; ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	ALL; UL 94

Descriptive Properties	Value	Comments
Features	General Purpose	
Forms	Pellets	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Recycled Content	Yes	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Automotive Interior Parts	
	General Purpose	

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