

PolyOne Geon™ Vinyl Rigid Molding 87546 Polyvinyl Chloride, Rigid (PVC, Rigid)

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

Material Notes:

Provisional Data Sheet Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Rigid-Molding-87546-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	ASTM D2240
Tensile Strength, Yield	50.2 MPa	7280 psi	Type I, 51 mm/min; ASTM D638
Tensile Modulus	2.81 GPa	408 ksi	Type I, 51 mm/min; ASTM D638
Flexural Strength	80.3 MPa	11600 psi	ASTM D790
Flexural Modulus	2.85 GPa	413 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature 0.000 °C	@Thickness 0.125 in, Temperature 32.0 °F	
	1.20 J/cm	2.25 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	68.3 °C	155 °F	Unannealed; ASTM D648
	@Thickness 6.35 mm	@Thickness 0.250 in	

Processing Properties	Metric	English	Comments
Melt Temperature	199 - 210 °C	390 - 410 °F	

Descriptive Properties	Value	Comments
Features	General Purpose	
	Medium Flow	

Forms Descriptive Properties	Pellets Value	Comments
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Construction Applications	
	General Purpose	

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