

PolyOne Geon™ Vinyl Rigid Extrusion LR840 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-Extrusion-LR840-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	>= 80	>= 80	ASTM D2240
	@Temperature 23.0 °C	@Temperature 73.4 °F	
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	3.00 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature -18.0 °C	@Thickness 0.125 in, Temperature -0.400 °F	
	7.50 J/cm	14.1 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature 0.000 °C	@Thickness 0.125 in, Temperature 32.0 °F	
	9.10 J/cm	17.0 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	Annealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	

Descriptive Properties	Value	Comments
Features	General Purpose	
Forms	Pellets	
Generic Material	PVC, Rigid	

Descriptive Properties	Value	Comments
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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