

PolyOne Geon™ Vinyl Rigid Extrusion LR620 white 1046 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-LR620-white-1046-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	15 sec; ASTM D2240
Tensile Strength, Yield	40.7 MPa	5900 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	3.01 GPa	437 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Yield Strength	66.4 MPa	9630 psi	13 mm/min; ASTM D790
Flexural Modulus	2.43 GPa	352 ksi	13 mm/min; ASTM D790
Izod Impact, Notched	1.60 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	3.00 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Compression Molded; ASTM D256A
Dart Drop Total Energy	64.1 J/cm	0.120 ft-lb/mil	Procedure A; ASTM D4226
	79.2 J/cm	0.148 ft-lb/mil	Procedure B; ASTM D4226

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	63.0 µm/m-°C	35.0 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	76.4 °C	170 °F	Unannealed; ASTM D648
	78.5 °C	173 °F	Annealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	72.7 °C	163 °F	Unannealed; ASTM D648
	76.6 °C	170 °F	Annealed; ASTM D648

Descriptive Properties	Value	Comments
Features	General Purpose	

Forms Descriptive Properties	Cube Value	Comments
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	Building Materials	
	Profiles	

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