

PolyOne Geon™ Vinyl Rigid Extrusion L8761 Polyvinyl Chloride, Rigid (PVC, Rigid)

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

Material Notes:

Note: NSF listings are obtained on specific colors. Contact PolyOne for the latest listing of approved colors for this product. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Rigid-Extrusion-L8761-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	77	77	15 sec; ASTM D2240
Tensile Strength, Yield	55.4 MPa	8040 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	3.06 GPa	444 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	98.6 MPa	14300 psi	ASTM D790
Flexural Modulus	3.42 GPa	496 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.899 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Compression Molded, Across Flow; ASTM D256A
	0.480 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.899 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Compression Molded, Flow; ASTM D256A
Dart Drop Total Energy	63.6 J/cm @Temperature 23.0 °C	0.119 ft-lb/mil @Temperature 73.4 °F	Procedure A, C.125; ASTM D4226
	63.6 J/cm @Temperature 23.0 °C	0.119 ft-lb/mil @Temperature 73.4 °F	Procedure B, C.125; ASTM D4226

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	59.0 µm/m-°C	32.8 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	71.7 °C @Thickness 3.18 mm	161 °F @Thickness 0.125 in	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 193 °C	360 - 379 °F	

Descriptive Properties	Value	Comments
Agency Ratings	NSF 14	
	NSF 61	
	NSF Type I	
Ease of Sizing	Good	
Features	Good Chemical Resistance	
Forms	Pellets	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Extrusion	
PVC Cell Classification	12564	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Rods	

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