

PolyOne Geon™ Vinyl Rigid Extrusion L9630 Polyvinyl Chloride, Rigid (PVC, Rigid)

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

Material Notes:

Product can meet UL-94V-0. Material passed V-0 @ 1.5mm in screening test at PDI. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Rigid-Extrusion-L9630-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	15 sec; ASTM D2240
Tensile Strength, Yield	43.1 MPa	6250 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	3.12 GPa	453 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	73.8 MPa	10700 psi	ASTM D790
Flexural Modulus	2.92 GPa	424 ksi	ASTM D790
Izod Impact, Notched	2.30 J/cm	4.31 ft-lb/in	Compression Molded, Flow; ASTM D256A
	@Thickness 3.18 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
	3.00 J/cm	5.62 ft-lb/in	Compression Molded, Across Flow; ASTM D256A
Dart Drop Total Energy	@Thickness 3.18 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
	9.00 J/cm	16.9 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
Dart Drop Total Energy	62.7 J/cm	0.117 ft-lb/mil	Procedure A, C.125; ASTM D4226
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	165 J/cm	0.309 ft-lb/mil	Procedure B, C.125; ASTM D4226
Dart Drop Total Energy	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	67.0 µm/m-°C	37.2 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	72.5 °C	163 °F	Unannealed; ASTM D648

Thermal Properties	@Thickness 3.18 mm Metric	@Thickness 0.125 in English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	182 - 193 °C	360 - 379 °F	

Descriptive Properties	Value	Comments
Ease of Sizing	Acceptable	
Features	Good Surface Finish	
Forms	Pellets	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Extrusion	
PVC Cell Classification	16354	ASTM D1784
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Edge Banding	
	Profiles	

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