

PolyOne Geon™ Vinyl Rigid Extrusion L6607 Polyvinyl Chloride, Rigid (PVC, Rigid)

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

Material Notes:

Physical properties based on Geon L6607 white 1363 Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Rigid-Extrusion-L6607-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.62 g/cc	1.62 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	76	76	15 sec; ASTM D2240
Tensile Strength, Yield	32.9 MPa	4770 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	4.25 GPa	616 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	69.6 MPa	10100 psi	ASTM D790
Flexural Modulus	4.08 GPa	592 ksi	ASTM D790
Dart Drop Total Energy	20.5 J/cm	0.0384 ft-lb/mil	Procedure A, C.125; ASTM D4226
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	20.5 J/cm	0.0384 ft-lb/mil	Procedure B, C.125; ASTM D4226
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	49.0 µm/m-°C	27.2 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	78.9 °C	174 °F	Unannealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
	80.0 °C	176 °F	Annealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
Deflection Temperature at 1.8 MPa (264 psi)	72.2 °C	162 °F	Unannealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
	78.9 °C	174 °F	Annealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 188 °C	360 - 370 °F	

Descriptive Properties	Value	Comments
Appearance	Colors Available	
Forms	Cube	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Vertical Blinds	

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