

PolyOne Geon™ Vinyl Rigid Extrusion 86110 white 1275 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-86110-white-1275-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	79	79	15 sec; ASTM D2240
Tensile Strength, Yield	40.4 MPa	5860 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.79 GPa	405 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	71.7 MPa	10400 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	65.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	36.1 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	80.4 $^{\circ}\text{C}$	177 $^{\circ}\text{F}$	Annealed; ASTM D648
	78.3 $^{\circ}\text{C}$ @Thickness 3.18 mm	173 $^{\circ}\text{F}$ @Thickness 0.125 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	78.4 $^{\circ}\text{C}$	173 $^{\circ}\text{F}$	Annealed; ASTM D648
	73.4 $^{\circ}\text{C}$ @Thickness 3.18 mm	164 $^{\circ}\text{F}$ @Thickness 0.125 in	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Forms	Cube	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Coextrusion	

Descriptive Properties	Value	Comments
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Capstock	
	Fencing & Decking	
	Outdoor Applications	

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