

PolyOne Geon™ Vinyl Packaging PK9 WHITE 1082 Polyvinyl Chloride, Rigid (PVC, Rigid)

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

Material Notes:

The HDT value refers to samples conditioned @ 50 deg.C. for 24 hrs. The bulk density test was performed under ASTM D-1895B. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Packaging-PK9-WHITE-1082-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792
Density	0.785 g/cc	0.0284 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D785
Hardness, Shore D	78	78	15 sec; ASTM D2240
	82	82	ASTM D2240
Tensile Strength, Yield	43.4 MPa	6290 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.66 GPa	386 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	79.3 MPa	11500 psi	ASTM D790
Flexural Modulus	2.96 GPa	429 ksi	ASTM D790
Izod Impact, Notched	11.0 J/cm	20.6 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	66.1 °C	151 °F	Unannealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
Vicat Softening Point	81.0 °C	178 °F	

Processing Properties	Metric	English	Comments
Mold Temperature	199 - 213 °C	390 - 415 °F	Blow Molding

Descriptive Properties	Value	Comments
Features	General Purpose	
	High Gloss	
	High Impact Resistance	
Forms	Pellets	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	General Purpose	
	Packaging	
	Sheet	

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