

PolyOne Geon™ Vinyl Packaging PK8-1080 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-Packaging-PK8-1080-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	81	81	ASTM D2240
Tensile Strength, Yield	48.3 MPa	7010 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.57 GPa	373 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	78.0 MPa	11300 psi	ASTM D790
Flexural Modulus	2.73 GPa	396 ksi	ASTM D790
Izod Impact, Notched	1.10 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	2.06 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	71.1 °C @Thickness 3.18 mm	160 °F @Thickness 0.125 in	Unannealed; ASTM D648

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

Descriptive Properties	PVC Rigid Value	Comments
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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