

PolyOne Geon™ Vinyl Packaging 161JA White 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-161JA-White-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792
Density	0.801 g/cc	0.0289 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	ASTM D2240
Tensile Strength, Yield	43.1 MPa	6250 psi	Type I, 51 mm/min; ASTM D638
Tensile Modulus	2.32 GPa	336 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	73.8 MPa	10700 psi	ASTM D790
Flexural Modulus	2.68 GPa	389 ksi	ASTM D790
Izod Impact, Notched	11.0 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	20.6 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)	66.7 °C @Thickness 3.18 mm	152 °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
Appearance	Opaque	
Features	General Purpose	
	High Gloss	
	High Impact Resistance	

Descriptive Properties <small>Forme</small>	Value <small>Pellets</small>	Comments
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Blow Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Bottles	
	General Purpose	
	Packaging	

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