

PolyOne Geon™ Vinyl Packaging 2210 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-2210-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792
Density	0.801 g/cc	0.0289 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	81	81	ASTM D2240
Tensile Strength, Yield	43.8 MPa	6350 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.35 GPa	341 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	70.3 MPa	10200 psi	ASTM D790
Flexural Modulus	2.61 GPa	379 ksi	ASTM D790
Izod Impact, Notched	10.0 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	18.7 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)	61.1 °C @Thickness 3.18 mm	142 °F @Thickness 0.125 in	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	
Appearance	Clear/Transparent	
Features	Food Contact Acceptable	
	High Gloss	
	High Impact Resistance	
Forms	Pellets	
Generic Material	PVC, Rigid	

Descriptive Properties	Value	Comments
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	
	Packaging	

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