

PolyOne Geon™ Vinyl Packaging 4195 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-4195-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Density	0.801 g/cc	0.0289 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	ASTM D2240
Tensile Strength, Yield	52.5 MPa	7610 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.76 GPa	400 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	88.3 MPa	12800 psi	ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	83.9 °C @Thickness 3.18 mm	183 °F @Thickness 0.125 in	Annealed; ASTM D648

Optical Properties	Metric	English	Comments
Transmission, Visible	78 % @Thickness 0.508 mm, Wavelength 400 nm	78 % @Thickness 0.0200 in, Wavelength 400 nm	Internal Method
	84 % @Thickness 0.508 mm, Wavelength 700 nm	84 % @Thickness 0.0200 in, Wavelength 700 nm	Internal Method

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

Descriptive Properties	Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	
Features	Food Contact Acceptable	
	High Gloss	
	High Impact Resistance	
Forms	Pellets	
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	
	Packaging	

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