

PolyOne Geon™ Vinyl Packaging XPL189 Amber 1505 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-XPL189-Amber-1505-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Density	0.785 g/cc	0.0284 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	81	81	ASTM D2240
Tensile Strength, Yield	44.8 MPa	6500 psi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	82.7 MPa	12000 psi	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

Processing Properties	Metric	English	Comments
Mold Temperature	199 - 207 °C	390 - 405 °F	Blow Molding

Descriptive Properties	Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	
Appearance	Amber	
	Clear/Transparent	
Features	Food Contact Acceptable	
	High Gloss	
	High Impact Resistance	
	Low to No Odor	
Forms	Pellets	
Generic Material	PVC, Rigid	

Descriptive Properties	Value	Comments
Generic Name	Polystyrene, Rigid (PS, Rigid)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Bottles	
	Packaging	

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