

PolyOne Geon™ Vinyl Packaging 2797 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-2797-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	45.9 MPa	6660 psi	Type I, 51 mm/min; ASTM D638
Tensile Modulus	2.54 GPa	368 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	68.1 MPa	9880 psi	ASTM D790
Flexural Modulus	2.45 GPa	355 ksi	ASTM D790

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

Optical Properties	Metric	English	Comments
Transmission, Visible	80 % @Thickness 0.508 mm, Wavelength 400 nm	80 % @Thickness 0.0200 in, Wavelength 400 nm	Internal Method
	90 % @Thickness 0.508 mm, Wavelength 700 nm	90 % @Thickness 0.0200 in, Wavelength 700 nm	Internal Method

Processing Properties	Metric	English	Comments
Mold Temperature	204 - 221 °C	399 - 430 °F	Blow Molding

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	

Descriptive Properties Features	Value General Purpose	Comments
	Good Chemical Resistance	
	High Gloss	
	Medium 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	
	General Purpose	
	Packaging	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China