

## PolyOne Geon™ Vinyl Packaging 2798 Polyvinyl Chloride, Rigid (PVC, Rigid)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Rigid Grade

### Material Notes:

Premium chemical resistant Compound for Packaging. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Geon-Vinyl-Packaging-2798-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Packaging-2798-Polyvinyl-Chloride-Rigid-PVC-Rigid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792
Density	0.817 g/cc	0.0295 lb/in <sup>3</sup>	ASTM D1505

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	79	79	ASTM D2240
Tensile Strength, Yield	43.5 MPa	6310 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	77.7 MPa	11300 psi	ASTM D790
Flexural Modulus	2.67 GPa	387 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	71.1 °C @Thickness 3.18 mm	160 °F @Thickness 0.125 in	Unannealed; ASTM D648

Optical Properties	Metric	English	Comments
Transmission, Visible	73 % @Thickness 0.508 mm, Wavelength 400 nm	73 % @Thickness 0.0200 in, Wavelength 400 nm	Internal Method
	88 % @Thickness 0.508 mm, Wavelength 700 nm	88 % @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	

<b>Descriptive Properties</b> Features	<b>Value</b> General Purpose	<b>Comments</b>
	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.

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