

## PolyOne Geon™ Vinyl Packaging VB9-51 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-VB9-51-Polyvinyl-Chloride-Rigid-PVC-Rigid.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Packaging-VB9-51-Polyvinyl-Chloride-Rigid-PVC-Rigid.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792
Density	0.801 g/cc	0.0289 lb/in <sup>3</sup>	ASTM D1505

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	83	83	ASTM D2240
Tensile Strength, Yield	42.1 MPa	6110 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.69 GPa	390 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	80.0 MPa	11600 psi	ASTM D790
Flexural Modulus	2.65 GPa	384 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)	65.0 °C @Thickness 3.18 mm	149 °F @Thickness 0.125 in	Unannealed; ASTM D648

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	
Appearance	Amber	
	Clear/Transparent	
Features	Food Contact Acceptable	

Descriptive Properties	High Gloss Value	Comments
	High Impact Resistance	
	Low to No Odor	
Forms	Pellets	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Bottles	
	Packaging	

## Contact Songhan Plastic Technology Co.,Ltd.

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