



Geon™ Vinyl Packaging VB951

Rigid Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Food Contact Acceptable • High Gloss	• High Impact Resistance • Low Odor	
Uses	• Bottles	• Packaging	
Agency Ratings	• FDA Food Contact, Unspecified Rating		
Appearance	• Amber	• Clear/Transparent	
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.32	1.32	ASTM D792
Density	0.801 g/cm ³	0.801 g/cm ³	ASTM D1505
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	390000 psi	2690 MPa	ASTM D638
Tensile Strength ² (Yield)	6100 psi	42.1 MPa	ASTM D638
Flexural Modulus	385000 psi	2650 MPa	ASTM D790
Flexural Strength	11600 psi	80.0 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Injection Molded	19 ft·lb/in	1000 J/m	ASTM D256A
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	83	83	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	149 °F	65.0 °C	ASTM D648
Additional Information	Typical Value (English)	Typical Value (SI)	
Blow Molding Temperature	390 to 415 °F	199 to 213 °C	

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)