



Geon™ Vinyl Packaging 2799

Rigid Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • General Purpose	• High Gloss • High Impact Resistance	
Uses	• Bottles	• General Purpose	• Packaging
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Blow Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.32	1.32	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus ²	355000 psi	2450 MPa	ASTM D638
Tensile Strength ³ (Yield)	6590 psi	45.4 MPa	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	80	80	ASTM D2240
Optical	Typical Value (English)	Typical Value (SI)	Test Method
Transmittance (20.0 mil (508 µm), 700 nm)	90.0 %	90.0 %	Internal Method
Additional Information	Typical Value (English)	Typical Value (SI)	
Blow Molding Temperature	400 to 430 °F	204 to 221 °C	

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

³ Type I, 2.0 in/min (51 mm/min)