



Geon™ Vinyl Packaging XPL 355GC

Rigid Polyvinyl Chloride

Key Characteristics

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

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.31	1.31	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield)	7170 psi	49.4 MPa	ASTM D638
Tensile Elongation ² (Break)	55 %	55 %	ASTM D638
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 in (3.18 mm), Injection Molded	21 ft-lb/in	1100 J/m	ASTM D256A
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	77	77	ASTM D2240
Additional Information	Typical Value (English)	Typical Value (SI)	
Blow Molding Temperature	390 to 405 °F	199 to 207 °C	

Notes

¹ Typical values are not to be construed as specifications.

² Type I, 0.20 in/min (5.1 mm/min)

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