



# Geon™ Vinyl Packaging 2710

## Rigid Polyvinyl Chloride

### Key Characteristics

Product Description	
This product is available in opaque and transparent colors.	
General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Additive	• UV Stabilizer
Features	• Food Contact Acceptable • High Gloss • High Flow • Medium Impact Resistance
Agency Ratings	• FDA Food Contact, Unspecified Rating
Forms	• Pellets
Processing Method	• Injection Blow Molding

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.32	1.32	ASTM D792
Density	0.833 g/cm <sup>3</sup>	0.833 g/cm <sup>3</sup>	ASTM D1505
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Modulus <sup>2</sup>	367000 psi	2530 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	7040 psi	48.5 MPa	ASTM D638
Flexural Modulus	405000 psi	2800 MPa	ASTM D790
Flexural Strength	12000 psi	82.7 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	2.2 ft-lb/in	120 J/m	ASTM D256A
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D)	80	80	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)	67.0 °F	19.4 °C	ASTM D648
Optical	Typical Value (English)	Typical Value (SI)	Test Method
Transmittance (30.0 mil (762 µm), 700 nm)	39.5 %	39.5 %	Internal Method

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type I, 0.20 in/min (5.1 mm/min)

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