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 • Asia Pacific	• Europe • Latin America	• North America
Additive	• UV Stabilizer		
Features	• Food Contact Acceptable • High Flow	• High Gloss • Medium Impact Resistance	
Agency Ratings	• FDA Food Contact, Unspecified Rating		
Forms	• Pellets		
Processing Method	• Injection Blow Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.32	1.32	ASTM D792
Density	0.833 g/cm³	0.833 g/cm³	ASTM D1505
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Modulus [2]	367000 psi	2530 MPa	ASTM D638
Tensile Strength [2] (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			ASTM D256A
73°F (23°C), 0.125 in (3.18 mm), Injection Molded	2.2 ft·lb/in	120 J/m	
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			ASTM D648
264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm)	67.0 °F	19.4 °C	
Optical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Transmittance (30.0 mil (762 µm), 700 nm)	39.5 %	39.5 %	Internal Method

Notes

[1] Typical values are not to be construed as specifications.

[2] Type I, 0.20 in/min (5.1 mm/min)