

Geon™ Vinyl Packaging 1699

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Packaging 1699 is a Rigid Polyvinyl Chloride product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Packaging 1699 include bottles and packaging.

Characteristics include:

High Gloss

Impact Resistant

General Information			
Features	General Purpose		
	High Gloss		
	High Impact Resistance		
Uses	Bottles		
	General Purpose		
	Packaging		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.32	g/cm ³	ASTM D792
--	0.801	g/cm ³	ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	79		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2240	MPa	ASTM D638
Tensile Strength ² (Yield)	42.1	MPa	ASTM D638
Flexural Modulus	2460	MPa	ASTM D790
Flexural Strength	65.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	1100	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	59.4	°C	ASTM D648
Optical	Nominal Value	Unit	Test Method
Transmittance			Internal Method
762 µm, 400 nm	7.5	%	
762 µm, 700 nm	38.5	%	
Additional Information	Nominal Value	Unit	

Blow Molding Temperature	196 to 210	°C
NOTE		
1.	Type I, 5.1 mm/min	
2.	Type I, 5.1 mm/min	

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Recommended distributors for this material

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