

Geon™ Vinyl Packaging 2199

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Packaging 2199 is a Rigid Polyvinyl Chloride product. It can be processed by blow molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Packaging 2199 include bottles, food contact applications and packaging. Characteristics include:
Impact Resistant
Food Contact Acceptable
High Gloss

General Information			
Features	Food Contact Acceptable		
	High Gloss		
	High Impact Resistance		
	Low Temperature Impact Resistance		
Uses	Bottles		
	Packaging		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.31	g/cm ³	ASTM D792
--	0.801	g/cm ³	ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2210	MPa	ASTM D638
Tensile Strength ² (Yield)	42.7	MPa	ASTM D638
Flexural Modulus	2390	MPa	ASTM D790
Flexural Strength	75.2	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.18 mm)	64.4	°C	ASTM D648
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		

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