

# Geon™ Vinyl Packaging M2110

Rigid Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Packaging M2110 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 M2110 include bottles, food contact applications and packaging.

Characteristics include:

Food Contact Acceptable

High Gloss

Impact Resistant

General Information			
UL YellowCard	E41877-260947		
Features	Food Contact Acceptable		
	General Purpose		
	High Gloss		
	Medium Impact Resistance		
Uses	Bottles		
	General Purpose		
	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			
--	1.33	g/cm <sup>3</sup>	ASTM D792
--	0.801	g/cm <sup>3</sup>	ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	2820	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	53.1	MPa	ASTM D638
Flexural Modulus	2980	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	430	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	69.4	°C	ASTM D648
Additional Information	Nominal Value	Unit	
Blow Molding Temperature	199 to 207	°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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