

Geon™ Vinyl Flexible A9001

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Interior applications.

General Information			
Features	General Purpose		
	High Gloss		
Uses	Film		
	General Purpose		
	Hose		
	Sheet		
	Tubing		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	90		
Shore A, 15 sec	84		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	18.6	MPa	
100% Strain	10.9	MPa	
Tensile Elongation ² (Break)	390	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-33.9	°C	ASTM D746
Optical	Nominal Value	Unit	Test Method
Transmittance ³ (1910 µm)	80.0	%	ASTM D1003
Haze (1910 µm)	5.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°C	
Extrusion	Nominal Value	Unit	

Melt Temperature	177 to 182	°C
NOTE		
1.	510 mm/min	
2.	510 mm/min	
3.	CIE Illuminant C	

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