

Geon™ Vinyl Flexible A9000

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Interior applications.

General Information	
UL YellowCard	E41877-234215
Features	General Purpose
	High Gloss
Uses	Film
	General Purpose
	Hose
	Sheet
	Tubing
Agency Ratings	NSF 51 3
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
Molding Shrinkage - Flow	1.3 to 1.7	%	ASTM D955
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
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	85.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	37	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	545	MPa	

-24°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-33.9	°C	ASTM D746
Optical	Nominal Value	Unit	Test Method
Transmittance ⁴ (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.	Die C, 510 mm/min		
4.	CIE Illuminant C		

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