

Geon™ Vinyl Flexible A7500

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Interior applications.

General Information			
Features	General Purpose		
	High Gloss		
Uses	General Purpose		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.9 to 2.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	75		
Shore A, 15 sec	65		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	13.8	MPa	
100% Strain	5.86	MPa	
Tensile Elongation ² (Break)	400	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	43.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	30	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-43.9	°C	ASTM D746
Optical	Nominal Value	Unit	Test Method
Transmittance ⁴ (1910 µm)	82.0	%	ASTM D1003
Haze (1910 µm)	4.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	174 to 179	°C	

NOTE	
1.	510 mm/min
2.	510 mm/min
3.	Die C, 510 mm/min
4.	CIE Illuminant C

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