

Geon™ Vinyl Flexible A7001

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Interior compound used primarily in transparent applications. This product is registered under UL 94 HB specifications @ 3.0 and 1.5 mm. thickness and all colors.

General Information			
Features	General Purpose		
	High Gloss		
Uses	General Purpose		
Agency Ratings	NSF 51 2		
	UL 94 3		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	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	70		
Shore A, 15 sec	59		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	11.0	MPa	
100% Strain	4.55	MPa	
Tensile Elongation ² (Break)	450	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	40.3	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	18	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	37.2	MPa	
-52°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-51.1	°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	171 to 177	°C	
NOTE			
1.	510 mm/min		
2.	510 mm/min		
3.	Die C, 510 mm/min		
4.	CIE Illuminant C		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

