

Geon™ Vinyl Flexible A5D00

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Interior applications.

General Information			
UL YellowCard	E41877-234210		
Features	General Purpose		
	High Gloss		
Uses	Film		
	General Purpose		
	Sheet		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 to 1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	55		
Shore D, 15 sec	42		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	20.7	MPa	
100% Strain	15.2	MPa	
Tensile Elongation ² (Break)	340	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	118	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	62	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	800	MPa	
-11°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-21.1	°C	ASTM D746

Optical	Nominal Value	Unit	Test Method
Transmittance ⁴ (1910 μm)	75.0	%	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	179 to 185	°C	
NOTE			
1.	510 mm/min		
2.	510 mm/min		
3.	Die C, 510 mm/min		
4.	CIE Illuminant C		

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