

Geon™ Vinyl Flexible A55G0

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Interior applications.

General Information			
Features	General Purpose		
	Low Gloss		
Uses	General Purpose		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow	2.7 to 3.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	55		
Shore A, 15 sec	48		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	7.58	MPa	
100% Strain	2.48	MPa	
Tensile Elongation ² (Break)	410	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	16.6	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	30	%	ASTM D395
Clash-Berg Modulus (-50°C)	310	MPa	ASTM D1043
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-53.9	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	188 to 199	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 166	°C	
NOTE			
1.	510 mm/min		

2.	510 mm/min
3.	Die C, 510 mm/min

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