

Geon™ Vinyl Flexible A5DM0

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Interior applications.

General Information			
Features	General Purpose		
	High Gloss		
	Low to No Migration		
Uses	General Purpose		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 to 1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	19.3	MPa	
100% Strain	13.1	MPa	
Tensile Elongation ² (Break)	320	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	70.1	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	50	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	965	MPa	
-10°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.9	°C	ASTM D746
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

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