

Geon™ Vinyl Flexible A4DU5

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Interior applications.

General Information			
Features	General Purpose		
	Good UV Resistance		
Uses	General Purpose		
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 A	93		
Shore A, 15 sec	86		
Shore D	53		
Shore D, 15 sec	40		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	20.0	MPa	
100% Strain	14.5	MPa	
Tensile Elongation ² (Break)	330	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	114	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	60	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	758	MPa	
-13°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-20.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°C	

Extrusion	Nominal Value	Unit
Melt Temperature	177 to 188	°C
NOTE		
1.	510 mm/min	
2.	510 mm/min	
3.	Die C, 510 mm/min	

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