

Geon™ Vinyl Flexible A70U0

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

This product contains a UV screener, but is not intended for outdoor applications in transparent form.

General Information			
Features	Good UV Resistance		
	High Gloss		
Uses	General Purpose		
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

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
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3.	Die C, 510 mm/min

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