

Geon™ Vinyl Flexible C70A0

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible C70A0 is a Flexible Polyvinyl Chloride product. It can be processed by coextrusion, extrusion, or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Flexible C70A0 include construction applications, plumbing/piping/potable water and sealing applications. Primary characteristic: good adhesion.

General Information			
Features	Good Adhesion		
Uses	Construction Applications		
	Seals		
	Weatherstripping		
Agency Ratings	NSF 51 2		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	70		
Shore A, 15 sec	65		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	9.65	MPa	
100% Strain	4.14	MPa	
Tensile Elongation ² (Break)	400	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	28.0	kN/m	ASTM D624
Clash-Berg Modulus			ASTM D1043
--	66.2	MPa	
-43°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-40.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	188 to 199	°C	
Extrusion	Nominal Value	Unit	

Melt Temperature	168 to 177	°C
NOTE		
1.	510 mm/min	
2.	510 mm/min	
3.	Die C, 510 mm/min	

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Recommended distributors for this material

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