

Geon™ Vinyl Flexible C90A0

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible C90A0 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. Primary characteristic: good adhesion.

General Information	
UL YellowCard	E41877-234237
Features	Good Adhesion
Forms	Pellets
Processing Method	Coextrusion
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	90		
Shore A, 15 sec	86		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	15.9	MPa	
100% Strain	8.96	MPa	
Tensile Elongation ² (Break)	270	%	ASTM D638

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	64.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	40	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	386	MPa	
-36°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-30.0	°C	ASTM D746

Extrusion	Nominal Value	Unit
Melt Temperature	177 to 182	°C

NOTE	
1.	510 mm/min
2.	510 mm/min
3.	Die C, 510 mm/min

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