

Geon™ Vinyl Flexible C75A0

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible C75A0 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 C75A0 include construction applications and plumbing/piping/potable water. Primary characteristic: good adhesion.

General Information			
UL YellowCard	E41877-234232		
Features	Good Adhesion		
	Medium Gloss		
Uses	Construction Applications		
Agency Ratings	NSF 51 3		
Appearance	Opaque		
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	75		
Shore A, 15 sec	67		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	10.3	MPa	
100% Strain	4.83	MPa	
Tensile Elongation ² (Break)	380	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	43.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	25	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	138	MPa	
-42°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	174 to 179	°C
NOTE		
1.	510 mm/min	
2.	510 mm/min	
3.	Die C, 510 mm/min	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

