

Geon™ Vinyl Flexible C9000

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible C9000 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 C9000 include household applications and plumbing/piping/potable water. Primary characteristic: flame rated.

General Information	
UL YellowCard	E41877-234236
Features	General Purpose
	Medium Gloss
Uses	General Purpose
	Lawn and Garden Equipment
	Wheels
Agency Ratings	NSF 51 3
Forms	Pellets
Processing Method	Coextrusion
	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.4 to 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	90		
Shore A, 15 sec	84		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	14.8	MPa	
100% Strain	8.96	MPa	
Tensile Elongation ² (Break)	350	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	64.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	32	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	579	MPa	
-26°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-27.8	°C	ASTM D746
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°C	
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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Recommended distributors for this material

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