

Geon™ Vinyl Flexible C8009

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible C8009 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. Typical application: Medical/Healthcare.

General Information			
Features	General Purpose		
	Medium Gloss		
Uses	Medical/Healthcare Applications		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.7 to 2.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	80		
Shore A, 15 sec	76		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	11.7	MPa	
100% Strain	5.86	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)	23	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-34.4	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	177 to 193	°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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Recommended distributors for this material

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