

Geon™ Vinyl Flexible B9000

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B9000 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
UL YellowCard	E41877-100730859		
Features	Medium Gloss		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.3 to 1.7	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	90		
Shore A, 15 sec	85		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	17.2	MPa	
100% Strain	10.3	MPa	
Tensile Elongation ² (Break)	360	%	ASTM D638

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	78.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	38	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	558	MPa	
-26°C	310	MPa	

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

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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