

# Geon™ Vinyl Flexible B8000

Flexible Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Flexible B8000 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion, injection molding, or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Plumbing/Piping/Potable Water.

General Information			
UL YellowCard	E41877-267777		
Uses	Profiles		
Agency Ratings	NSF 51 3		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Break	15.9	MPa	
100% Strain	7.58	MPa	
Tensile Elongation <sup>2</sup> (Break)	350	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-31.7	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	182 to 188	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	166 to 171	°C	
NOTE			
1.	510 mm/min		
2.	510 mm/min		

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