

Geon™ Vinyl Flexible B8501

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

A flexible Vinyl compound for hose and tubing applications with enhanced physical characteristics.

General Information			
Features	General Purpose		
	Medium Gloss		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	87		
Shore A, 15 sec	81		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	17.4	MPa	
100% Strain	8.83	MPa	
Tensile Elongation ² (Break)	400	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-34.4	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (1.57 mm)	23	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Melt Temperature	179 to 185	°C	
NOTE			
1.	510 mm/min		
2.	510 mm/min		

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