

Geon™ Vinyl Flexible C8500

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible C8500 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	E41877-234235		
Features	General Purpose		
	Medium Gloss		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	85		
Shore A, 15 sec	78		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	13.1	MPa	
100% Strain	7.24	MPa	
Tensile Elongation ² (Break)	360	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	56.0	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	22	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	341	MPa	
-34°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-31.1	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°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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