

Geon™ Vinyl Flexible B7500

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B7500 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. Primary characteristic: flame rated.

General Information			
UL YellowCard	E41877-234225		
Features	General Purpose		
	Medium Gloss		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	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	75		
Shore A, 15 sec	66		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	12.4	MPa	
100% Strain	5.10	MPa	
Tensile Elongation ² (Break)	420	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	47.3	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	23	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	124	MPa	
-43°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-43.9	°C	ASTM D746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ALL)	HB		UL 94
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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