

Geon™ Vinyl Flexible B6500

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B6500 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	E41877-234223		
Features	General Purpose		
	Medium Gloss		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.9 to 2.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	65		
Shore A, 15 sec	57		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	10.3	MPa	
100% Strain	3.62	MPa	
Tensile Elongation ² (Break)	460	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	38.5	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	22	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	24.1	MPa	
-55°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-51.1	°C	ASTM D746
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ALL)	HB		UL 94
Injection	Nominal Value	Unit	

Processing (Melt) Temp	188 to 199	°C
Extrusion	Nominal Value	Unit
Melt Temperature	168 to 174	°C
NOTE		
1.	510 mm/min	
2.	510 mm/min	
3.	Die C, 510 mm/min	

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