

# Geon™ Vinyl Flexible B5D01

Flexible Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Flexible B5D01 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: Furniture. Primary characteristic: flame rated.

General Information			
UL YellowCard	E41877-234220		
Features	Medium Gloss		
Uses	Furniture		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm <sup>3</sup>	ASTM D792

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	50		
Shore D, 15 sec	36		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Break	19.7	MPa	
100% Strain	16.2	MPa	
Tensile Elongation <sup>2</sup> (Break)	300	%	ASTM D638

Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>3</sup>	102	kN/m	ASTM D624

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-12.2	°C	ASTM D746

Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, also @ 3.00 mm.thickness)	HB		UL 94

Injection	Nominal Value	Unit	
Processing (Melt) Temp	196 to 207	°C	

Extrusion	Nominal Value	Unit	
Melt Temperature	179 to 185	°C	

NOTE			
1.	510 mm/min		
2.	510 mm/min		

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#### Recommended distributors for this material

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