

Geon™ Vinyl Flexible B5DG1

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B5DG1 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. Typical application: Furniture.

General Information	
UL YellowCard	E41877-234221
Features	Medium Gloss
Uses	Furniture
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	20.0	MPa	
100% Strain	12.4	MPa	
Tensile Elongation ² (Break)	350	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	84.1	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	45	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	558	MPa	
-25°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-27.8	°C	ASTM D746
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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