

Geon™ Vinyl Flexible B5D02

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B5D02 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			
Uses	Furniture		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.2	%	ASTM D955

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 ¹			ASTM D638
Break	17.2	MPa	
100% Strain	11.7	MPa	
Tensile Elongation ² (Break)	300	%	ASTM D638

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	84.1	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	60	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	565	MPa	
-28°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-23.9	°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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