

Geon™ Vinyl Flexible B6DB1

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B6DB1 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.

General Information	
Additive	Biocide
Features	Medium Gloss
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	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	60		
Shore D, 15 sec	55		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	20.7	MPa	
100% Strain	15.9	MPa	
Tensile Elongation ² (Break)	320	%	ASTM D638

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	105	kN/m	ASTM D624
Clash-Berg Modulus			ASTM D1043
--	1090	MPa	
-14°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-17.2	°C	ASTM D746

Injection	Nominal Value	Unit
Processing (Melt) Temp	193 to 204	°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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