

Geon™ Vinyl Flexible B65B1

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B65B1 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. Applications of Geon™ Vinyl Flexible B65B1 include construction applications and sealing applications.

General Information	
UL YellowCard	E41877-261485
Additive	Biocide
Uses	Construction Applications
	Seals
	Weatherstripping
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	65		
Shore A, 15 sec	54		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	8.62	MPa	
100% Strain	3.10	MPa	
Tensile Elongation ² (Break)	450	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	35.0	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	22	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
-51°C	310	MPa	
-35°C	82.7	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-46.1	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	168 to 174	°C	
NOTE			

1.	510 mm/min
2.	510 mm/min
3.	Die C, 510 mm/min

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