

Geon™ Vinyl Flexible B65B0

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B65B0 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	1.27	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.9 to 2.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	65		
Shore A, 15 sec	55		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	9.65	MPa	
100% Strain	3.45	MPa	
Tensile Elongation ² (Break)	440	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	36.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	21	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	29.0	MPa	
-53°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-48.9	°C	ASTM D746

Injection	Nominal Value	Unit
Processing (Melt) Temp	188 to 199	°C

Extrusion	Nominal Value	Unit
Melt Temperature	168 to 174	°C

NOTE			
1.	510 mm/min		

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

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Recommended distributors for this material

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