

Geon™ Vinyl Flexible B6D00

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B6D00 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 B6D00 include construction applications and plumbing/piping/potable water.

General Information	
UL YellowCard	E41877-234224
Features	Medium Gloss
Uses	Construction Applications
	Fencing & Decking
Agency Ratings	NSF 51 3
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	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	69		
Shore D, 15 sec	59		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	21.4	MPa	
100% Strain	19.3	MPa	
Tensile Elongation ² (Break)	280	%	ASTM D638

Elastomers	Nominal Value	Unit	Test Method
Compression Set (23°C, 22 hr)	90	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	1100	MPa	
2°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-3.33	°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.	Type IV, 510 mm/min	
2.	Type IV, 510 mm/min	

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Recommended distributors for this material

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