

Geon™ Vinyl Flexible B6DT0

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B6DT0 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			
Features	Medium Gloss		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.2	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	57		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	20.7	MPa	
100% Strain	15.9	MPa	
Tensile Elongation ² (Break)	240	%	ASTM D638

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	105	kN/m	ASTM D624
Clash-Berg Modulus			ASTM D1043
--	149	MPa	
-36°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-42.8	°C	ASTM D746

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

Extrusion	Nominal Value	Unit	
Melt Temperature	174 to 179	°C	

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

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