

Geon™ Vinyl Flexible B4DM1

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B4DM1 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. Primary characteristic: high gloss.

General Information			
Features	High Gloss		
	Low to No Migration		
Appearance	Opaque		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	43		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	18.0	MPa	
100% Strain	14.4	MPa	
Tensile Elongation ² (Break)	290	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	100	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	82	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-5.50	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	25	%	ASTM D2863
Injection	Nominal Value	Unit	
Processing (Melt) Temp	196 to 207	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	179 to 185	°C	
NOTE			
1.	510 mm/min		
2.	510 mm/min		
3.	Die C, 510 mm/min		

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