

Geon™ Vinyl Flexible B5DW2

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B5DW2 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion, injection molding, or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Flexible B5DW2 include coating applications, decorative parts, furniture, construction applications and engineering/industrial parts.

General Information			
Features	Medium Gloss		
Uses	Decorative Parts		
	Edge Banding		
	Flooring		
	Furniture		
	Gaskets		
	Glazing		
	Outdoor Applications		
	Outdoor Furnishings		
	Protective Coverings		
	Tubing		
	Weatherstripping		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	50		
Shore D, 15 sec	37		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	18.0	MPa	
100% Strain	13.0	MPa	
Tensile Elongation ² (Break)	320	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	77.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	64	%	ASTM D395

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-22.0	°C	ASTM D746
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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Recommended distributors for this material

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