



Geon™ Vinyl Flexible B5DW2

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
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

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.36	1.36	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	1880 psi	13.0 MPa	ASTM D638
Tensile Strength ² (Break)	2610 psi	18.0 MPa	ASTM D638
Tensile Elongation ² (Break)	320 %	320 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	444 lbf/in	77.8 kN/m	ASTM D624
Compression Set (73°F (23°C), 22 hr)	64 %	64 %	ASTM D395
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore D	50	50	
Shore D, 15 sec	37	37	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-7.60 °F	-22.0 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	385 to 405 °F	196 to 207 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	355 to 365 °F	179 to 185 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Die C, 20 in/min (510 mm/min)

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