



Geon™ Vinyl Flexible B9WF1

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Biocide	• UV Stabilizer	
Features	• Flame Retardant	• UV Absorbing	
Uses	• Construction Applications		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.28	1.28	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	1600 psi	11.0 MPa	ASTM D638
Tensile Strength ² (Break)	2800 psi	19.3 MPa	ASTM D638
Tensile Elongation ² (Break)	300 %	300 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	90	90	
Shore A, 15 sec	86	86	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-13.0 °F	-25.0 °C	ASTM D746
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Oxygen Index (0.125 in (3.18 mm))	28 %	28 %	ASTM D2863

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	380 to 400 °F	193 to 204 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	345 to 365 °F	174 to 185 °C

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

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