



Geon™ Vinyl Flexible A90F1

Flexible Polyvinyl Chloride

Key Characteristics

Product Description			
Interior applications.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Biocide		
Uses	• Construction Applications		
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.34	1.34	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)	2600 psi	17.9 MPa	ASTM D638
Tensile Elongation ² (Break)	350 %	350 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	500 lbf/in	87.6 kN/m	ASTM D624
Clash-Berg Modulus			ASTM D1043
--	82000 psi	565 MPa	
-9°F (-23°C)	45000 psi	310 MPa	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	90	90	
Shore A, 15 sec	83	83	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-18.0 °F	-27.8 °C	ASTM D746

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	351 to 360 °F	177 to 182 °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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