



Geon™ Vinyl Flexible 90251

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• General Purpose		
Uses	• Automotive Applications • Gaskets	• General Purpose • Protective Coverings	• Seals
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	769 psi	5.30 MPa	ASTM D638
Tensile Strength ² (Break)	1890 psi	13.0 MPa	ASTM D638
Tensile Elongation ² (Break)	430 %	430 %	ASTM D638
Tear Resistance ³	240 lbf/in	42.0 kN/m	ASTM D1004
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	78	78	
Shore A, 15 sec	70	70	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-43.6 °F	-42.0 °C	ASTM D746

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

³ Die C, 2 in/min