



Geon™ Vinyl Flexible 86479 Natural

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	• High Gloss	• UV Absorbing	
Uses	• Construction Applications	• Film	• Sheet
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.30	1.30	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	1100 psi	7.58 MPa	ASTM D638
Tensile Strength ² (Break)	2400 psi	16.5 MPa	ASTM D638
Tensile Elongation ² (Break)	390 %	390 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	350 lbf/in	61.3 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	84	84	
Shore A, 15 sec	76	76	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-40.0 °F	-40.0 °C	ASTM D746

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	355 to 370 °F	179 to 188 °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)