



# Geon™ Vinyl Flexible 86273 Trans 002

## Flexible Polyvinyl Chloride

### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Biocide		
Forms	• Pellets		
Processing Method	• Extrusion		

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.25	1.25	ASTM D792
Elastomers			
Tensile Stress <sup>2</sup> (100% Strain)	1700 psi	11.7 MPa	ASTM D412A
Tensile Strength <sup>2</sup> (Yield)	2700 psi	18.6 MPa	ASTM D412A
Tensile Elongation <sup>2</sup> (Break)	350 %	350 %	ASTM D412A
Tear Strength <sup>3</sup>	345 lbf/in	60.4 kN/m	ASTM D624
Clash-Berg Modulus	70000 psi	483 MPa	ASTM D1043
Hardness			
Durometer Hardness (Shore A)	91	91	ASTM D2240
Thermal			
Brittleness Temperature	-30.0 °F	-34.4 °C	ASTM D746

### Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	360 to 380 °F	182 to 193 °C

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> 20 in/min (510 mm/min)

<sup>3</sup> Die C, 20 in/min (510 mm/min)

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