



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 ¹

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

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)