



Geon™ Vinyl Flexible B8000

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Profiles		
Agency Ratings	• NSF STD-51 ¹		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	• Profile Extrusion

Technical Properties ²

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 ³ (100% Strain)	1100 psi	7.58 MPa	ASTM D638
Tensile Strength ³ (Break)	2300 psi	15.9 MPa	ASTM D638
Tensile Elongation ³ (Break)	350 %	350 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	74	74	ASTM D2240
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-25.0 °F	-31.7 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	360 to 370 °F	182 to 188 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	330 to 340 °F	166 to 171 °C

Notes

¹ GRAY 2600, BLACK 2999.
Max. Temp. of use = 100 degrees F.

² Typical values are not to be construed as specifications.

³ 20 in/min (510 mm/min)