



Geon™ Vinyl Flexible C7000

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	• Medium Gloss	
Uses	• General Purpose	• Seals	• Weatherstripping
Agency Ratings	• NSF STD-51 ¹		
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	• Injection Molding

Technical Properties ²

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.39	1.39	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ³ (100% Strain)	630 psi	4.34 MPa	ASTM D638
Tensile Strength ³ (Break)	1460 psi	10.1 MPa	ASTM D638
Tensile Elongation ³ (Break)	390 %	390 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ⁴	200 lbf/in	35.0 kN/m	ASTM D624
Compression Set (73°F (23°C), 22 hr)	20 %	20 %	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	11800 psi	81.4 MPa	
-51°F (-46°C)	45000 psi	310 MPa	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	70	70	
Shore A, 15 sec	64	64	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-44.0 °F	-42.2 °C	ASTM D746
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	380 to 390 °F	193 to 199 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	340 to 350 °F	171 to 177 °C

Notes

¹ NATURAL, BLACK 2999, WHITE 1300, WHITE 1380, BLUE 4060, GRAY 2000, GRAY 2600, GRAY 2604.
Max. Temp. of use = 100 degrees F.

² Typical values are not to be construed as specifications.

³ 20 in/min (510 mm/min)

⁴ Die C, 20 in/min (510 mm/min)



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