



Geon™ Vinyl Flexible C70A0

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion		
Uses	• Construction Applications	• 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	1.37	1.37	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ³ (100% Strain)	600 psi	4.14 MPa	ASTM D638
Tensile Strength ³ (Break)	1400 psi	9.65 MPa	ASTM D638
Tensile Elongation ³ (Break)	400 %	400 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ⁴	160 lbf/in	28.0 kN/m	ASTM D624
Clash-Berg Modulus			ASTM D1043
--	9600 psi	66.2 MPa	
-45°F (-43°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	65	65	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-40.0 °F	-40.0 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	370 to 390 °F	188 to 199 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	335 to 350 °F	168 to 177 °C

Notes

¹ BLACK 2999, NATURAL.
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)