



Geon™ Vinyl Flexible B7501

Flexible Polyvinyl Chloride

Key Characteristics

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

Technical Properties ²

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.27	1.27	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ³ (100% Strain)	800 psi	5.52 MPa	ASTM D638
Tensile Strength ³ (Break)	1900 psi	13.1 MPa	ASTM D638
Tensile Elongation ³ (Break)	380 %	380 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ⁴	250 lbf/in	43.8 kN/m	ASTM D624
Clash-Berg Modulus			ASTM D1043
--	21000 psi	145 MPa	
-40°F (-40°C)	45000 psi	310 MPa	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	75	75	
Shore A, 15 sec	66	66	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-46.0 °F	-43.3 °C	ASTM D746

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	345 to 355 °F	174 to 179 °C

Notes

¹ 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)

⁴ Die C, 20 in/min (510 mm/min)