



Geon™ Vinyl Flexible A8501

Flexible Polyvinyl Chloride

Key Characteristics

Product Description			
Interior applications.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• General Purpose • High Gloss		
Uses	• Flooring • General Purpose • Hose • Tubing		
Appearance	• Clear/Transparent		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	• Profile Extrusion

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.21	1.21	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (100% Strain)	1400 psi	9.65 MPa	ASTM D638
Tensile Strength ² (Break)	2400 psi	16.5 MPa	ASTM D638
Tensile Elongation ² (Break)	400 %	400 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	420 lbf/in	73.6 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	85	85	
Shore A, 15 sec	79	79	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-27.0 °F	-32.8 °C	ASTM D746

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	380 to 400 °F	193 to 204 °C
Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	345 to 355 °F	174 to 179 °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)

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