



Geon™ Vinyl Flexible B9500

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Gloss		
Uses	• Automotive Applications	• Automotive Exterior Trim	
Forms	• Cube		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

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 ² (100% Strain)	1800 psi	12.4 MPa	ASTM D638
Tensile Strength ² (Break)	2790 psi	19.2 MPa	ASTM D638
Tensile Elongation ² (Break)	360 %	360 %	ASTM D638
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, 15 sec	87	87	
Shore D	52	52	
Shore D, 15 sec	37	37	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	37.4 °F	3.00 °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	355 to 365 °F	179 to 185 °C

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)