



# Geon™ Vinyl Flexible 90463

## Flexible Polyvinyl Chloride

### Key Characteristics

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

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.36	1.36	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Break)	2290 psi	15.8 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	280 %	280 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength <sup>3</sup>	300 lbf/in	52.5 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	89	89	
Shore A, 15 sec	81	81	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-25.6 °F	-32.0 °C	ASTM D746
Cold Flexibility <sup>4</sup>			GM 9503P
-20°F (-29°C), 75.0 mil (1.91 mm)	Pass	Pass	
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Automotive Burn Test	1 in/min	20 mm/min	FMVSS 302
Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
Xenon Weatherometer <sup>5</sup>	Pass	Pass	SAE J1960

Note: Automotive OEM approval(s).

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type IV, 20 in/min (510 mm/min)

<sup>3</sup> Die C, 20 in/min (510 mm/min)

<sup>4</sup> 25 mm, 4 hr

<sup>5</sup> Interior, 602 kJ/m<sup>2</sup>, All Colors, dE\* < 3.0

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