



# Geon™ Vinyl Flexible 90234

## Flexible Polyvinyl Chloride

### Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Automotive Applications • Outdoor Applications		
Automotive Specifications	• CHRYSLER MS-DC-232		
Forms	• Pellets		
Processing Method	• Injection Molding		

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.24	1.24	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Break)	2180 psi	15.0 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	280 %	280 %	ASTM D638
Tear Resistance <sup>3</sup>	190 lbf/in	32.5 kN/m	ASTM D1004
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	80	80	ASTM D2240
Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
Fungal Resistance	Pass	Pass	ASTM G21
Low Temperature Flexibility <sup>4</sup> -20°F (-29°C), 20.0 mil (508.0 µm)	Pass	Pass	
Volatile Loss <sup>5</sup> 221°F (105°C), 75.0 mil (1.91 mm)	0.35 %	0.35 %	ASTM D1203B
Xenon Weatherometer <sup>6</sup>	Pass	Pass	SAE J1960

### 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, 2 in/min

<sup>4</sup> 4 hr, 12 mm

<sup>5</sup> Method A

<sup>6</sup> Exterior, 2500 kJ/m<sup>2</sup>, Black, dE\* < 3.0

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