



# Geon™ Vinyl Flexible 90057

## Flexible Polyvinyl Chloride

### Key Characteristics

General	
Material Status	• Commercial: Active
Regional Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Features	• Low Gloss
Uses	• Automotive Applications • Beltline Moldings • Automotive Exterior Trim • Outdoor Applications
Automotive Specifications	• CHRYSLER MS-DC-211 Type B
Forms	• Pellets
Processing Method	• Extrusion

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.38	1.38	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Break)	2280 psi	15.7 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	330 %	330 %	ASTM D638
Tear Resistance <sup>3</sup>	320 lbf/in	55.9 kN/m	ASTM D1004
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	82	82	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)	0.41 %	0.41 %	ASTM D1203B
Xenon Weatherometer <sup>6</sup> Note: Automotive OEM approval(s).	Pass	Pass	SAE J1960

### Notes

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

<sup>2</sup> 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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