



# Geon™ Vinyl Flexible 90055

## 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	• Beltline Moldings • Outdoor Applications	
Automotive Specifications	• CHRYSLER MS-DC-211 Type B CPN3912 Color: 100% Color Match • FORD WSK-M4D689-A2 • GM GMP.PVC.010		
Forms	• Pellets		
Processing Method	• Extrusion		

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

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Break)	2520 psi	17.4 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	310 %	310 %	ASTM D638
Tear Resistance <sup>3</sup>	310 lbf/in	55.0 kN/m	ASTM D1004
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	83	83	ASTM D2240
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Automotive Burn Test	1 in/min	14 mm/min	FMVSS 302
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)	0.34 %	0.34 %	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> 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>, All Colors, dE\* < 3.0