



Geon™ Vinyl Flexible 90051

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	• GM GMP.PVC.006 • GM GMP.PVC.017		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.37	1.37	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	3480 psi	24.0 MPa	ASTM D638
Tensile Elongation ² (Break)	170 %	170 %	ASTM D638
Tear Resistance ³	590 lbf/in	102.5 kN/m	ASTM D1004
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore D, 15 sec)	55	55	ASTM D2240
Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
Fungal Resistance	Pass	Pass	ASTM G21
Low Temperature Flexibility ⁴			
-22°F (-30°C), 75.0 mil (1.91 mm)	Pass	Pass	
Volatile Loss ⁵			ASTM D1203B
221°F (105°C), 75.0 mil (1.91 mm)	0.20 %	0.20 %	
Xenon Weatherometer ⁶	Pass	Pass	SAE J1960
Note: Automotive OEM approval(s).			

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

³ Die C, 2 in/min

⁴ 4 hr, 25 mm

⁵ Method A

⁶ Exterior, 2500 kJ/m², Black, dE* < 3.0

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