



Geon™ Vinyl Flexible 90461

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 ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.28	1.28	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	1520 psi	10.5 MPa	ASTM D638
Tensile Elongation ² (Break)	380 %	380 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength ³	180 lbf/in	31.5 kN/m	ASTM D624
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	70	70	
Shore A, 15 sec	61	61	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-47.2 °F	-44.0 °C	ASTM D746
Cold Flexibility ⁴			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	0 in/min	0 mm/min	FMVSS 302
Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
Xenon Weatherometer ⁵	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, 20 in/min (510 mm/min)

⁴ 25 mm, 4 hr

⁵ Interior, 602 kJ/m², All Colors, dE* < 3.0