



Geon™ Vinyl Flexible 86143

Flexible Polyvinyl Chloride

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• General Purpose • Low Gloss		
Uses	• Automotive Applications	• General Purpose	• Outdoor Applications
Automotive Specifications	• FORD ESB-M4D259 Type I • FORD ESB-M4D284 Type I	• FORD ESB-M4D284-C1 Color: Black	
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.17	1.17	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Break)	1480 psi	10.2 MPa	ASTM D638
Tensile Elongation ² (Break)	440 %	440 %	ASTM D638
Tear Resistance ³	150 lbf/in	26.2 kN/m	ASTM D1004
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	60	60	ASTM D2240
Additional Information	Typical Value (English)	Typical Value (SI)	Test Method
Fungal Resistance	Pass	Pass	ASTM G21
Low Temperature Flexibility ⁴ -20°F (-29°C), 20.0 mil (508.0 µm)	Pass	Pass	
Xenon Weatherometer ⁵ Note: Automotive OEM approval(s).	Pass	Pass	SAE J1960

Notes

¹ Typical values are not to be construed as specifications.

² 20 in/min (510 mm/min)

³ Die C, 2 in/min

⁴ 4 hr, 12 mm

⁵ Exterior, 2500 kJ/m², Black, dE* < 3.0

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