Geon™ Vinyl Flexible 90057

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 Exterior Trim	• Beltline Moldings • Outdoor Applications	
Automotive Specifications	• CHRYSLER MS-DC-211 Type B		
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties [1]

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 [2] (Break)	2280 psi	15.7 MPa	ASTM D638
Tensile Elongation [2] (Break)	330 %	330 %	ASTM D638
Tear Resistance [3]	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 [4]			
-20°F (-29°C), 20.0 mil (508.0 µm)	Pass	Pass	
Volatile Loss [5]			ASTM D1203B
221°F (105°C), 75.0 mil (1.91 mm)	0.41 %	0.41 %	
Xenon Weatherometer [6]	Pass	Pass	SAE J1960
Note: Automotive OEM approval(s).			

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] Method A

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

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