Geon™ Vinyl Flexible 90059

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	• Beltline Moldings	• Outdoor Applications
Automotive Specifications	• GM GMP.PVC.003		
Forms	• Pellets		
Processing Method	• Extrusion		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.29	1.29	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (Break)	3420 psi	23.6 MPa	ASTM D638
Tensile Elongation [2] (Break)	290 %	290 %	ASTM D638
Tear Resistance [3]	430 lbf/in	75.0 kN/m	ASTM D1004
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore D, 15 sec)	37	37	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)	0.45 %	0.45 %	
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, 2000 kJ/m², Natural, dE*<3.0

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