Geon™ Vinyl Flexible 90401

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	
Automotive Specifications	• GM GMP.PVC.077		
Forms	• Pellets		
Processing Method	• Blow Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.24	1.24	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (Break)	2060 psi	14.2 MPa	ASTM D638
Tensile Elongation [2] (Break)	310 %	310 %	ASTM D638
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tear Strength [3]	206 lbf/in	36.0 kN/m	ASTM D624
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore A, 15 sec)	75	75	ASTM D2240
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
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
Fogging [5]	86 %	86 %	SAE J1756
Optical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Gardner Gloss (60°)	4	4	ASTM D523
Additional Information	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
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, 20 in/min (510 mm/min)

[4] 25 mm, 4 hr

[5] 3 hrs, 212°F(100°C), 70°F(21°C), after 1 hour

[6] Interior, 1240 kJ/m², All Colors, dE*<3.0

CONTACT INFORMATION

Americas

United States - Avon Lake
+1 440 930 1000

United States - McHenry
+1 815 385 8500

Asia

China - Guangzhou
+86 20 8732 7260

China - Shenzhen
+86 755 2969 2888

China - Suzhou
+86 512 6823 24 38

China - Suzhou
+86 512 6265 2600

Hong Kong -
+852 2690 5332

Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0

Spain - Barbastro (Huesca)
+34 974 310 314

Beyond Polymers.

Better Business Solutions. SM

www.polyone.com

PolyOne Americas
33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia
No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe
6 Giällewee
+352 269 050 35