Geon™ Vinyl Flexible 90463

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	1.36	1.36	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (Break)	2290 psi	15.8 MPa	ASTM D638
Tensile Elongation [2] (Break)	280 %	280 %	ASTM D638
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tear Strength [3]	300 lbf/in	52.5 kN/m	ASTM D624
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	89	89	
Shore A, 15 sec	81	81	
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Brittleness Temperature	-25.6 °F	-32.0 °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	1 in/min	20 mm/min	FMVSS 302
Additional Information	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Xenon Weatherometer [5] Note: Automotive OEM approval(s).	Pass	Pass	SAE J1960

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