Geon™ Vinyl Flexible 82024

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	• Medium Gloss	
Uses	• Automotive Applications	• General Purpose	
Automotive Specifications	• CHRYSLER MS-DC-225		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.20	1.20	ASTM D792
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (100% Strain)	300 psi	2.07 MPa	ASTM D638
Tensile Strength [3] (Break)	1100 psi	7.58 MPa	ASTM D638
Tensile Elongation [3] (Break)	450 %	450 %	ASTM D638
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tear Strength [4]	110 lbf/in	19.3 kN/m	ASTM D624
Clash-Berg Modulus			ASTM D1043
-67°F (-55°C)	45000 psi	310 MPa	
-31°F (-35°C)	2000 psi	13.8 MPa	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	52	52	
Shore A, 15 sec	46	46	
Thermal	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Brittleness Temperature	-76.0 °F	-60.0 °C	ASTM D746

Additional Information

Note: Automotive OEM approval(s).

Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	320 to 335 °F	160 to 168 °C

Notes

[1] Typical values are not to be construed as specifications.

[2] Type IV, 2.0 in/min (51 mm/min)

[3] Type IV, 20 in/min (510 mm/min)

[4] Die C, 20 in/min (510 mm/min)

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