# Geon™ Vinyl Flexible 90013

## Flexible Polyvinyl Chloride

### Key Characteristics

| General | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Regional Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features | • General Purpose | • Low Gloss | |
| Uses | • Automotive Applications<br>• Beltline Moldings | • General Purpose<br>• Outdoor Applications | |
| Automotive Specifications | • CHRYSLER MS-DE-122 | | |
| Forms | • Pellets | | |
| Processing Method | • Extrusion | | |

### Technical Properties [1]

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|---|---|---|
| Specific Gravity | 1.32 | 1.32 | ASTM D792 |
| **Mechanical** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Tensile Strength [2] (Break) | 1910 psi | 13.2 MPa | ASTM D638 |
| Tensile Elongation [2] (Break) | 380 % | 380 % | ASTM D638 |
| Tear Resistance [3] | 200 lbf/in | 35.2 kN/m | ASTM D1004 |
| **Hardness** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Durometer Hardness (Shore A, 15 sec) | 69 | 69 | 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) | 0.52 % | 0.52 % | |
| 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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