

Geon™ Vinyl Flexible 90071

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible 90071 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ Vinyl Flexible 90071 include automotive and outdoor applications. Primary characteristic: high gloss.

| General Information | | | |
|--|--|-------------------|-------------|
| Features | High Gloss | | |
| Uses | Automotive Applications | | |
| | Automotive Exterior Trim | | |
| | Beltline Moldings | | |
| | Outdoor Applications | | |
| Forms | Pellets | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.26 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A, 15 sec) | 88 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Break) | 19.5 | MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 260 | % | ASTM D638 |
| Tear Resistance ³ | 65.0 | kN/m | ASTM D1004 |
| Fungal Resistance | Pass | | ASTM G21 |
| Low Temperature Flexibility ⁴ (-29°C, 508.0 µm) | Pass | | |
| Volatile Loss ⁵ (105°C, 1.91 mm) | 0.34 | % | ASTM D1203B |
| Xenon Weatherometer ⁶ | Pass | | SAE J1960 |
| NOTE | | | |
| 1. | Type IV, 510 mm/min | | |
| 2. | Type IV, 510 mm/min | | |
| 3. | Die C, 2 in/min | | |
| 4. | 4 hr, 12 mm | | |
| 5. | Method A | | |
| 6. | Exterior, 2500 kJ/m ² , All Colors, dE* < 3.0 | | |

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