



# Geon™ Vinyl Flexible R148CE

## 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              | • High Gloss<br>• Low to No Migration    |                             |                     |
| Uses                  | • Furniture<br>• Profiles                |                             |                     |
| Appearance            | • Clear/Transparent                      |                             |                     |
| Forms                 | • Pellets                                |                             |                     |
| Processing Method     | • Extrusion                              | • Injection Molding         | • Profile Extrusion |

### Technical Properties <sup>1</sup>

| Physical                                | Typical Value (English) | Typical Value (SI) | Test Method |
|---|-------------------------|--------------------|-------------|
| Specific Gravity                        | 1.30                    | 1.30               | ASTM D792   |
| Mechanical                              | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Strength <sup>2</sup> (Break)   | 3380 psi                | 23.3 MPa           | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break) | 300 %                   | 300 %              | ASTM D638   |
| Hardness                                | Typical Value (English) | Typical Value (SI) | Test Method |
| Durometer Hardness (Shore A, 15 sec)    | 92                      | 92                 | ASTM D2240  |
| Thermal                                 | Typical Value (English) | Typical Value (SI) | Test Method |
| Brittleness Temperature                 | 25.0 °F                 | -3.89 °C           | ASTM D746   |

### Processing Information

| Injection              | Typical Value (English) | Typical Value (SI) |
|------------------------|-------------------------|--------------------|
| Processing (Melt) Temp | 380 to 400 °F           | 193 to 204 °C      |
| Extrusion              | Typical Value (English) | Typical Value (SI) |
| Melt Temperature       | 350 to 365 °F           | 177 to 185 °C      |

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Type IV, 20 in/min (510 mm/min)

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