

# Geon™ Vinyl Flexible R148CE

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible R148CE is a Flexible Polyvinyl Chloride product. It can be processed by extrusion, injection molding, or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Furniture. Primary characteristic: high gloss.

| General Information |                     |
|---------------------|---------------------|
| Features            | High Gloss          |
|                     | Low to No Migration |
| Uses                | Furniture           |
|                     | Profiles            |
| Appearance          | Clear/Transparent   |
| Forms               | Pellets             |
| Processing Method   | Extrusion           |
|                     | Injection Molding   |
|                     | Profile Extrusion   |

| Physical                                | Nominal Value | Unit              | Test Method |
|---|---------------|-------------------|-------------|
| Specific Gravity                        | 1.30          | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                | Nominal Value | Unit              | Test Method |
| Durometer Hardness (Shore A, 15 sec)    | 92            |                   | ASTM D2240  |
| Mechanical                              | Nominal Value | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Break)   | 23.3          | MPa               | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break) | 300           | %                 | ASTM D638   |
| Thermal                                 | Nominal Value | Unit              | Test Method |
| Brittleness Temperature                 | -3.89         | °C                | ASTM D746   |
| Injection                               | Nominal Value | Unit              |             |
| Processing (Melt) Temp                  | 193 to 204    | °C                |             |
| Extrusion                               | Nominal Value | Unit              |             |
| Melt Temperature                        | 177 to 185    | °C                |             |

| NOTE |                     |
|------|---------------------|
| 1.   | Type IV, 510 mm/min |
| 2.   | Type IV, 510 mm/min |

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