

# Geon™ Vinyl Flexible FC900

Flexible Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Flexible FC900 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

| General Information |                                |
|---------------------|--------------------------------|
| Features            | General Purpose                |
| Uses                | General Purpose                |
| Forms               | Pellets                        |
| Processing Method   | Extrusion<br>Injection Molding |

| Physical                                  | Nominal Value | Unit              | Test Method |
|---|---------------|-------------------|-------------|
| Specific Gravity                          | 1.47          | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                  | Nominal Value | Unit              | Test Method |
| Durometer Hardness <sup>1</sup> (Shore A) | 90            |                   | ASTM D2240  |
| Mechanical                                | Nominal Value | Unit              | Test Method |
| Tensile Strength <sup>2</sup> (Break)     | 15.9          | MPa               | ASTM D638   |
| Tensile Elongation <sup>3</sup> (Break)   | 330           | %                 | ASTM D638   |
| Thermal                                   | Nominal Value | Unit              | Test Method |
| Brittleness Temperature                   | -24.0         | °C                | ASTM D746   |
| Injection                                 | Nominal Value | Unit              |             |
| Processing (Melt) Temp                    | 191 to 196    | °C                |             |
| Extrusion                                 | Nominal Value | Unit              |             |
| Melt Temperature                          | 188 to 193    | °C                |             |

| NOTE |                             |
|------|-----------------------------|
| 1.   | Inst. Hardness +/- 5 units. |
| 2.   | 510 mm/min                  |
| 3.   | 510 mm/min                  |

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