

# Geon™ Vinyl Flexible A90FU

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Interior applications.

| General Information                     |                           |                   |             |
|-----------------------------------------|---------------------------|-------------------|-------------|
| Uses                                    | Construction Applications |                   |             |
| Forms                                   | Pellets                   |                   |             |
| Processing Method                       | Extrusion                 |                   |             |
| Physical                                | Nominal Value             | Unit              | Test Method |
| Specific Gravity                        | 1.27                      | g/cm <sup>3</sup> | ASTM D792   |
| Hardness                                | Nominal Value             | Unit              | Test Method |
| Durometer Hardness                      |                           |                   | ASTM D2240  |
| Shore A                                 | 90                        |                   |             |
| Shore A, 15 sec                         | 85                        |                   |             |
| Mechanical                              | Nominal Value             | Unit              | Test Method |
| Tensile Strength <sup>1</sup>           |                           |                   | ASTM D638   |
| Break                                   | 20.5                      | MPa               |             |
| 100% Strain                             | 14.6                      | MPa               |             |
| Tensile Elongation <sup>2</sup> (Break) | 290                       | %                 | ASTM D638   |
| Elastomers                              | Nominal Value             | Unit              | Test Method |
| Tear Strength <sup>3</sup>              | 98.9                      | kN/m              | ASTM D624   |
| Thermal                                 | Nominal Value             | Unit              | Test Method |
| Brittleness Temperature                 | -28.6                     | °C                | ASTM D746   |
| Extrusion                               | Nominal Value             | Unit              |             |
| Melt Temperature                        | 179 to 185                | °C                |             |
| NOTE                                    |                           |                   |             |
| 1.                                      | 510 mm/min                |                   |             |
| 2.                                      | 510 mm/min                |                   |             |
| 3.                                      | Die C, 510 mm/min         |                   |             |

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