



## Geon™ Vinyl Flexible F70E

### Flexible Polyvinyl Chloride

#### Key Characteristics

| General               |                                          |                             |                 |
|-----------------------|------------------------------------------|-----------------------------|-----------------|
| Material Status       | • Commercial: Active                     |                             |                 |
| Regional Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Additive              | • Lead Stabilizer                        |                             |                 |
| Features              | • General Purpose                        | • Good Thermal Stability    |                 |
| Uses                  | • General Purpose                        | • Purging Compound          |                 |
| Forms                 | • Pellets                                |                             |                 |
| Processing Method     | • Extrusion                              |                             |                 |

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

| Physical                                | Typical Value (English) | Typical Value (SI) | Test Method |
|-----------------------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity              | 1.39                    | 1.39               | ASTM D792   |
| Mechanical                              | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Strength <sup>2</sup> (Break)   | 2950 psi                | 20.3 MPa           | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Break) | 250 %                   | 250 %              | ASTM D638   |
| Hardness                                | Typical Value (English) | Typical Value (SI) | Test Method |
| Durometer Hardness (Shore D, 15 sec)    | 52                      | 52                 | ASTM D2240  |
| Thermal                                 | Typical Value (English) | Typical Value (SI) | Test Method |
| Brittleness Temperature                 | 19.0 °F                 | -7.22 °C           | ASTM D746   |

#### Processing Information

| Extrusion        | Typical Value (English) | Typical Value (SI) |
|------------------|-------------------------|--------------------|
| Melt Temperature | 360 to 370 °F           | 182 to 188 °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)