# Geon™ Vinyl Flexible XV3878G

## Polyvinyl Chloride + NBR

### Key Characteristics

| General | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Regional Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Uses | • Hose | • Profiles | • Tubing |
| Forms | • Pellets | | |
| Processing Method | • Extrusion | • Injection Molding | • Profile Extrusion |

### Technical Properties [1]

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.27 | 1.27 | ASTM D792 |
| **Mechanical** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Tensile Strength [2] (100% Strain) | 900 psi | 6.21 MPa | ASTM D638 |
| Tensile Strength [2] (Break) | 2430 psi | 16.7 MPa | ASTM D638 |
| Tensile Elongation [2] (Break) | 400 % | 400 % | ASTM D638 |
| **Hardness** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Durometer Hardness (Shore A, 15 sec) | 70 | 70 | ASTM D2240 |
| **Thermal** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Brittleness Temperature | -45.0 °F | -42.8 °C | ASTM D746 |

### Processing Information

| Injection | Typical Value (English) | Typical Value (SI) |
|---|---|---|
| Processing (Melt) Temp | 370 to 390 °F | 188 to 199 °C |
| **Extrusion** | **Typical Value (English)** | **Typical Value (SI)** |
| Melt Temperature | 345 to 355 °F | 174 to 179 °C |

**Notes**

[1] Typical values are not to be construed as specifications.

[2] Type IV, 20 in/min (510 mm/min)