# Geon™ Vinyl Flexible R313AE

## 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 | • Biocide | | |
| Features | • Flame Retardant | | |
| Uses | • Construction Applications | • Fabric Coatings | |
| Forms | • Pellets | | |
| Processing Method | • Extrusion | | |

### Technical Properties [1]

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|---|---|---|
| Specific Gravity | 1.43 | 1.43 | ASTM D792 |
| **Mechanical** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Tensile Strength [2] (Break) | 2100 psi | 14.5 MPa | ASTM D638 |
| Tensile Elongation [2] (Break) | 330 % | 330 % | ASTM D638 |
| **Hardness** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Durometer Hardness (Shore A, 15 sec) | 74 | 74 | ASTM D2240 |
| **Thermal** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Brittleness Temperature | -26.0 °F | -32.2 °C | ASTM D746 |
| **Flammability** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Oxygen Index (0.125 in (3.18 mm)) | 29 % | 29 % | ASTM D2863 |

### Processing Information

| 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)

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