# Geon™ Vinyl Flexible R312AE

PVC, Flexible — GEON Performance Solutions

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ASTM Data** | | | |
| Tensile Strength at Break | **15.9** | MPa | ASTM D 638 |
| Elongation at Break | **370** | % | ASTM D 638 |
| Shore A Hardness | **66** | - | ASTM D 2240 |

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ASTM Data** | | | |
| Limiting Oxygen Index | **28** | % | ASTM D 2863 |

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| Density | **1300** | kg/m³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|---|---|---|
| Melt temperature | **188 - 199** | °C | - |

## Characteristics

**Processing**
Injection Molding, Other Extrusion

**Delivery form**
Pellets

**Special Characteristics**
Flame retardant, U.V. stabilized or stable to weather

**Chemical Resistance**
General Chemical Resistance, Oil Resistance

**Applications**
Building Construction

**Regional Availability**
North America, Europe, Asia Pacific, South and Central America, Near East/Africa


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