# Geon™ Vinyl Rigid Extrusion L6607

## Rigid Polyvinyl Chloride

### Key Characteristics

| General | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Regional Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Uses | • Vertical Blinds | | |
| Appearance | • Colors Available | | |
| Forms | • Cube | | |
| Processing Method | • Extrusion | | |

### Technical Properties [1]

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.62 | 1.62 | ASTM D792 |
| **Mechanical** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Tensile Modulus [2] | 617000 psi | 4250 MPa | ASTM D638 |
| Tensile Strength [2] (Yield) | 4770 psi | 32.9 MPa | ASTM D638 |
| Flexural Modulus | 592000 psi | 4080 MPa | ASTM D790 |
| Flexural Strength | 10100 psi | 69.6 MPa | ASTM D790 |
| **Impact** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Drop Impact Resistance | | | ASTM D4226 |
| 73°F (23°C) [3] | 0.460 in·lb/mil | 20.5 J/cm | |
| 73°F (23°C) [4] | 0.460 in·lb/mil | 20.5 J/cm | |
| **Hardness** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Durometer Hardness (Shore D, 15 sec) | 76 | 76 | ASTM D2240 |
| **Thermal** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Deflection Temperature Under Load | | | ASTM D648 |
| 66 psi (0.45 MPa), Unannealed, 0.125 in (3.18 mm) | 174 °F | 78.9 °C | |
| Deflection Temperature Under Load | | | ASTM D648 |
| 66 psi (0.45 MPa), Annealed, 0.125 in (3.18 mm) | 176 °F | 80.0 °C | |
| Deflection Temperature Under Load | | | ASTM D648 |
| 264 psi (1.8 MPa), Unannealed, 0.125 in (3.18 mm) | 162 °F | 72.2 °C | |
| Deflection Temperature Under Load | | | ASTM D648 |
| 264 psi (1.8 MPa), Annealed, 0.125 in (3.18 mm) | 174 °F | 78.9 °C | |
| CLTE - Flow | 2.7E-5 in/in/°F | 4.9E-5 cm/cm/°C | ASTM D696 |

**Additional Information**

Physical properties based on Geon L6607 white 1363

### Processing Information

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

**Notes**

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

[2] Type I, 0.20 in/min (5.1 mm/min)

[3] Procedure A, C.125 Dart

[4] Procedure B, C.125 Dart

*Beyond Polymers.*

*Better Business Solutions.* [SM]