



Geon™ Vinyl Wire & Cable WJLK61

Flexible Polyvinyl Chloride

Key Characteristics

| General | | | |
|-----------------------|--|----------------------------------|-----------------|
| Material Status | • Commercial: Active | | |
| Regional Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Features | • Flame Retardant | • Sunlight Resistant (720 hours) | |
| Uses | • Cable Jacketing | • Wire & Cable Applications | |
| Wire Types | • PLTC | | |
| Agency Ratings | • UL QMTT2 | | |
| RoHS Compliance | • RoHS Compliant | | |
| Forms | • Pellets | | |
| Processing Method | • Extrusion Coating | | |

Technical Properties ¹

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|-------------------------|--------------------|-------------|
| Specific Gravity | 1.41 | 1.41 | ASTM D792 |
| Mechanical | Typical Value (English) | Typical Value (SI) | Test Method |
| Tensile Strength ² (Yield) | 2900 psi | 20.0 MPa | ASTM D638 |
| Tensile Elongation ² (Break) | 300 % | 300 % | ASTM D638 |
| Hardness | Typical Value (English) | Typical Value (SI) | Test Method |
| Durometer Hardness (Shore D, 15 sec) | 40 | 40 | ASTM D2240 |
| Thermal | Typical Value (English) | Typical Value (SI) | Test Method |
| Brittleness Temperature | -25.6 °F | -32.0 °C | ASTM D746 |
| UL Temperature Rating | 194 °F | 90 °C | |
| Aging | Typical Value (English) | Typical Value (SI) | |
| Retention of Tensile Elongation ³ 250°F (121°C), 45.0 mil (1.14 mm) | 85 % | 85 % | |
| Retention of Tensile Strength ³ 250°F (121°C), 45.0 mil (1.14 mm) | 110 % | 110 % | |
| Flammability | Typical Value (English) | Typical Value (SI) | Test Method |
| Oxygen Index (0.125 in (3.18 mm)) | 29 % | 29 % | ASTM D2863 |

Additional Information

NOTE: Typical Properties of Molded Slab (0.075"); Not to be Construed as Specifications.

Processing Information

| Extrusion | Typical Value (English) | Typical Value (SI) |
|------------------|-------------------------|--------------------|
| Melt Temperature | 330 to 350 °F | 166 to 177 °C |

Notes

¹ Typical values are not to be construed as specifications.

² Type IV, 20 in/min (510 mm/min)

³ 168 hr, UL Standard

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