

Manner Flexible PVC V976

Flexible Polyvinyl Chloride

Manner Plastics, L.P.

Message:

Recommended Applications: 105°C THHW LS, THW LS compound with low acid Gas. Designed to meet NMX requirements. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

| General Information | | | |
|---|----------------------------|-------------------|-------------|
| Uses | Wire & Cable Applications | | |
| Agency Ratings | UL Type THHW LS | | |
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| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.46 to 1.50 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness | | | ASTM D2240 |
| Shore D | 59 to 65 | | |
| Shore D, 15 sec | 44 to 50 | | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus - 100% Secant ¹ | 11.7 | MPa | ASTM D638 |
| Tensile Strength ² | 17.2 | MPa | ASTM D638 |
| Tensile Elongation ³ (Break) | 290 | % | ASTM D638 |
| Aging | Nominal Value | Unit | Test Method |
| Change in Tensile Strength in Air ⁴ (136°C, 168 hr) | -3.0 | % | UL 1581 |
| Change in Ultimate Elongation in Air ⁵ (136°C, 168 hr) | -10 | % | UL 1581 |
| Electrical | Nominal Value | Unit | Test Method |
| Volume Resistivity | 5.8E+15 | ohms · cm | ASTM D257 |
| Flammability | Nominal Value | Unit | Test Method |
| Oxygen Index | 31 | % | ASTM D2863 |
| NBS Smoke Density | | | |
| D4 | 67.0 | | ASTM D662 |
| Dmax | 355 | | ASTM D662 |
| VoF4 | 64.0 | | ASTM D622 |
| NOTE | | | |
| 1. | Unaged Dumbbells: .03 inch | | |
| 2. | Unaged Dumbbells: .03 inch | | |
| 3. | Unaged Dumbbells: .03 inch | | |
| 4. | Air Retention: .03 inch | | |
| 5. | Air Retention: .03 inch | | |

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