Dual Wall Adhesive-Lined Heat-Shrink Polyolefin Tubing

**G-2**

**Application**

Adhesive lined heat shrink tubing with environmental sealing capability for a wide variety of electrical applications, including automotive and marine wire harness, wire splices, breakouts, and connector-to-cable transitions.

**Features**

1.         2:1 shrink ratio

2.         Longitudinal shrink ratio: ≤+8%

3.         Out jacket flame retardant, inner adhesive self-extinguished

4.         Super sealing against water, moisture or other contaminants

5.         Continuous operating temperature: -55℃~ 125℃

6.         Shrink temperature: 120℃

**Dimension:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Size | | As supplied | After recovery | | | Standard Package |
| Inch | mm | Internal Diameter(mm) | Internal Diameter(mm) | Total Wall Thickness(mm) | Adhesive thickness(mm) | Spool Length |
| m/spool |
| 1/16 | 1.6 | 1.6 | 0.8 | 0.60±0.15 | 0.3±0.1 | 200 |
| 3/32 | 2.4 | 2.4 | 1.2 | 0.70±0.15 | 0.35±0.1 | 200 |
| 1/8 | 3.2 | 3.2 | 1.6 | 0.70±0.15 | 0.35±0.1 | 200 |
| 3/16 | 4.8 | 4.8 | 2.4 | 0.80±0.15 | 0.4±0.1 | 100 |
| 1/4 | 6.4 | 6.4 | 3.2 | 0.80±0.15 | 0.4±0.1 | 100 |
| 5/16 | 7.9 | 7.9 | 3.9 | 0.90±0.15 | 0.45±0.1 | 100 |
| 3/8 | 9.5 | 9.5 | 4.8 | 0.90±0.15 | 0.45±0.1 | 1.22 |
| 1/2 | 12.7 | 12.7 | 6.4 | 0.95±0.20 | 0.45±0.1 | 1.22 |
| 5/8 | 15.9 | 15.9 | 7.9 | 0.95±0.20 | 0.45±0.1 | 1.22 |
| 3/4 | 19.1 | 19.1 | 9.5 | 1.0±0.20 | 0.45±0.1 | 1.22 |
| 1 | 25.4 | 25.4 | 12.7 | 1.1±0.20 | 0.50±0.1 | 1.22 |
| 1 1/4 | 31.8 | 31.8 | 15 | 1.15±0.20 | 0.50±0.1 | 1.22 |
| 1 1/2 | 38.1 | 38.1 | 19 | 1.25±0.20 | 0.50±0.1 | 1.22 |
| 1 3/4 | 44.5 | 44.5 | 22 | 1.35±0.20 | 0.55±0.1 | 1.22 |
| 2 | 50.8 | 50.8 | 25.4 | 1.5±0.25 | 0.60±0.1 | 1.22 |

|  |  |  |
| --- | --- | --- |
| **Technical Data:** |  |  |
| **Test Item** | **Test Method** | **Test Result** |
| Tensile Strength(Mpa) | ASTM D2671 | ≥10.4 |
| Elongation% | ASTM D2671 | ≥300 |
| Tensile Strength afterAging   (Mpa) | UL 224 158×168hr | ≥7.3 |
| Elongation after Aging% | UL 224 158℃×168hr | ≥200 |
| Dielectric Strength | IEC 243 | ≥ 15 |
| Volume Resistance(Ω.cm) | ASTM D876 | ≥ 1014 |
|  |  |  |
| **Hot Melting Adhesive Property** |  |  |
| **Test Item** | **Test Method** | **Test Result** |
| Water absorption ratio: | ASTM-D570 | <0.2% |
| Softing point | ASTM-E8 | 95℃ |
| Strength of pearing(PE) | ASTM-D1000 | 120N/25m |
| Strength of pearing(AL) | ASTM-D1000 | 80N/25m |