



TECHNICAL DATASHEET

TCN24: Heatshrinkable Tubing

DESCRIPTION



A flexible, high grade, halogen free, cross linked heatshrink polyolefin tubing having a shrink ratio of 2:1 with an operating temperature range of -55°C to +135°C.

APPLICATION

TCN24 is ideal for use as insulation over cable joints or terminations and for cable bundling in harness work.

PROPERTIES

| Properties | Typical results | Test Method |
|---|---------------------------|------------------|
| Material | Polyolefin | |
| Continuous Operating Temp | -55°C to +135°C | |
| Minimum Shrink Temp | +70°C | |
| Minimum full recovery temperature | + 100°C | |
| Tensile strength | > 14 MPa | ASTM D 2671 |
| Ultimate elongation | > 600% | ASTM D 2671 |
| Longitudinal shrinkage | 0±5% | UL 224 |
| Eccentricity | < 30% | ASTM D 2671 |
| Heat aging Tensile strength Ultimate elongation | 175°C, 168 hrs | >11MPa > 350% |
| Dielectric strength | > 20 kV/mm | ASTM D 150 |
| Volume resistance | > 10 ¹⁴ Ohm cm | ASTM D 2671 |
| Voltage withstand | 2500V, 1min, no breakdown | ASTM D 2671 |
| Shelf life (<40°C) | 5 years | |
| Flammability | VW-1 | UL 224 |
| Color | Clear (CL) | |

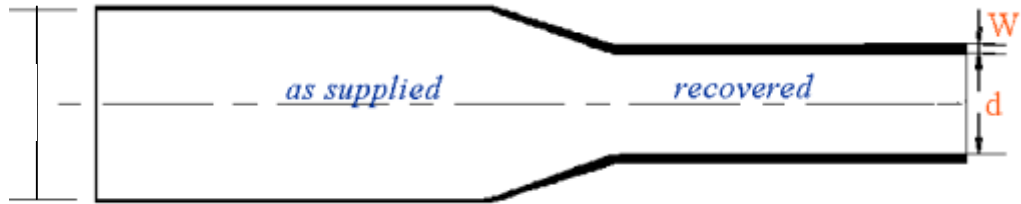
SPECIFICATION

Homologations: SAE-AMS-DTL-23053/5 Class 1 & 3
Conforme à: N/A



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DIMENSIONS



| Code UNS | TCN24 | Content (Lengths of 1m) | NOMINALES DIMENSIONS (MM) | | |
|-----------|------------|----------------------------|---------------------------|------|------|
| | | | D | d | W |
| 313-80000 | 2.4/1.2 | 30 | 2.4 | 1.2 | 0.48 |
| 313-80001 | 3.2/1.6 | 30 | 3.2 | 1.6 | 0.48 |
| 313-80002 | 4.8/2.4 | 24 | 4.8 | 2.4 | 0.48 |
| 313-80003 | 6.4/3.2 | 24 | 6.4 | 3.2 | 0.56 |
| 313-80004 | 9.5/4.8 | 20 | 9.5 | 4.8 | 0.62 |
| 313-80005 | 12.7/6.4 | 16 | 12.7 | 6.4 | 0.62 |
| 313-80006 | 19.1/9.5 | 10 | 19.1 | 9.5 | 0.68 |
| 313-80007 | 25.4/12.7 | 5 | 25.4 | 12.7 | 0.87 |
| 313-80008 | 38.1/19.1 | 6 | 38.1 | 19.1 | 1.00 |
| 313-80009 | 50.8/25.4 | 6 | 50.8 | 25.4 | 1.10 |
| 313-80010 | 76.2/38.1 | 3 | 76.2 | 38.1 | 1.20 |
| 313-80011 | 101.6/50.8 | 2 | 101.6 | 50.8 | 1.35 |

All dimensions in mm. Subject to technical changes.