# F3

## Shrinktubing // Thin Wall

Flexible, cross-linked polyolefin shrink-tubing, with high shrink ratio.
Meets the highest standards in industry.
Shrink ratio 3:1
UL-listed.
Available in many colors.


## Contact

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## Technical Reference



| | | | |
|---|---|---|---|
| **Material** | Cross-linked Polyolefin | | |
| **Shrinkage temp.** | 100°C min. | | |
| **Colors** | Black, red yellow, white, green, clear, green-yellow other colors on demand | | |
| **Packaging** | On reels, cut to custom specification | | |
| **Specifications** | Operating temperature.: | -55°C to +135°C | |
| | Dielectric strength: | 20 kV/mm min. | (IEC 243-1) |
| | Flammability: | self extinguishing (except clear) | (ASTM D 876) |
| | Tensile strength: | 10 MPa min | (ISO 37) |
| | Ultimate elongation: | 250% min. | (ISO 37) |
| | Elongation after ageing: | 168h at 175°C | (ISO 188) |
| | | 150% min. | (ISO 37) |
| | Heat shock: | no dripping, flowing, cracking. | (ASTM D 2671, 4h, 250°C) |
| | Low temp. flexibility: | no cracking | (ASTM D 2671, 4h, -55°C) |
| | Resistance against chemical agents: Fuels, Hydraulic fluids, mineral oils | | (ISO 1817) |
| | tensile strength: | 7 MPa min | (ISO 37) |
| | Ultimate elongation: | 200% min. | (ISO 37) |
| | Copper corrosion: | none | (ASTMD D 2671) |

## Sizes and Ordering Codes

| rdering-Code | Inner-Ø expanded mm | Inner-ø recovered mm | Wall recovered mm | Reel m |
|---|---|---|---|---|
| F3-1,5-x | 1,5 | 0,5 | 0,45 | 150 |
| F3-3-x | 3 | 1 | 0,55 | 150 |
| F3-4,5-x | 4,5 | 1,5 | 0,6 | 75 |
| F3-6-x | 6 | 2 | 0,65 | 75 |
| F3-9-x | 9 | 3 | 0,75 | 75 |
| F3-12-x | 12 | 4 | 0,75 | 75 |
| F3-18-x | 18 | 6 | 0,85 | 75 |
| F3-24-x | 24 | 8 | 1 | 30 |
| F3-39-x | 39 | 13 | 1,15 | 30 |

## Standards and Approvals

AMS- DTL 23053/5
UL224 125°C 600V VW-1 (E196685)

VG 95343 Pt5
CSA 600V 125°C (OFT) (LR228795)

DEF STAN 59-97
RoHS 2002/95/EG, RoHS 2011/65/EU, 2015/863/EU

*Sizes in listing: diameter expanded are min.-values, diameters recovered are max.-values.*
*Please check if this product meets your requirements, and ask for the latest version of this datasheet, before placing any orders. All errors and misprints reserved.*