



Features/Applications

GREMTUBE® GTEF 4X is a high shrink ratio, highly flame retardant, modified polytetrafluorethylene (PTFE) heat shrinkable tubing.

GREMTUBE® GTEF 4X offers high temperature performances (up to 260°C with peaks up to 400°C), an excellent resistance to chemicals, a low friction coefficient. It covers a wide range of diameters and it fits snugly on tight bends.

GREMTUBE® GTEF 4X is suitable for high end, critical applications, typically: military, aerospace and medical sectors when higher shrink ratios are required.

Various

Standard colour: Clear.

On request : Special colours, USP Class VI certified, etched.

Specifications

MIL-I-23053/12 Class 5 available on request.

Dimensions



| Reference <i>GREMTUBE® GTEF 4X</i> | As supplied (mm) | After recovery (mm) | | Standard Length (m) |
|---------------------------------------|--------------------------|--------------------------|-------------------------|---------------------|
| | Inside Diameter Min. (D) | Inside Diameter Max. (d) | Wall Thickness Min. (t) | |
| 002,0 | 1,98 | 0,64 | 0,18 | 1,2 |
| 003,2 | 3,18 | 0,94 | 0,26 | 1,2 |
| 004,8 | 4,75 | 1,27 | 0,26 | 1,2 |
| 006,4 | 6,35 | 1,60 | 0,26 | 1,2 |
| 007,9 | 7,92 | 1,98 | 0,26 | 1,2 |
| 009,5 | 9,53 | 2,44 | 0,26 | 1,2 |
| 011,1 | 11,13 | 2,84 | 0,26 | 1,2 |
| 012,7 | 12,70 | 3,66 | 0,28 | 1,2 |
| 014,3 | 14,27 | 3,94 | 0,28 | 1,2 |
| 015,9 | 15,88 | 4,52 | 0,28 | 1,2 |
| 017,5 | 17,45 | 5,03 | 0,28 | 1,2 |
| 019,1 | 19,05 | 5,69 | 0,28 | 1,2 |
| 022,2 | 22,23 | 6,20 | 0,28 | 1,2 |
| 025,4 | 25,40 | 7,06 | 0,28 | 1,2 |
| 031,8 | 31,75 | 8,81 | 0,28 | 1,2 |
| 038,1 | 38,10 | 10,16 | 0,28 | 1,2 |
| 044,5 | 44,45 | 11,43 | 0,28 | 1,2 |
| 050,8 | 50,80 | 13,21 | 0,38 | 1,2 |
| 057,2 | 57,15 | 14,86 | 0,38 | 1,2 |
| 063,5 | 63,50 | 16,51 | 0,38 | 1,2 |
| 069,9 | 69,85 | 18,03 | 0,38 | 1,2 |
| 076,2 | 76,20 | 19,68 | 0,38 | 1,2 |
| 082,5 | 82,50 | 21,21 | 0,38 | 1,2 |
| 088,9 | 88,90 | 22,86 | 0,51 | 1,2 |
| 093,0 | 92,95 | 24,38 | 0,51 | 1,2 |
| 101,6 | 101,60 | 26,03 | 0,51 | 1,2 |

• Spools as standard, cut pieces available on request

| Property | Values | Test Methods | |
|-------------------|---------------------|-------------------------|------------|
| Physical | Working temperature | -200°C to +260°C | |
| | Longitudinal change | ±30% | |
| | Tensile strength | Unaged ≥ 20 MPa | ASTM D 638 |
| | Elongation at break | ≥ 200% | |
| | Flammability | Pass | UL94 V0 |
| Electrical | Dielectric strength | ≥ 7,4 kV/mm | ASTM D 149 |
| | Volume resistivity | ≥ 10 ¹⁴ Ω.cm | ASTM D 257 |
| Chemical | Resistance | Inert | - |

Recommended storage conditions: Keep in cool, dry, ventilated storage (maximum temperature of 45°C) and in closed container.

30/11/2023 Rev4

Whilst every attempt is made to provide data that is as accurate as possible the values provided should be treated as a guide only. It remains the responsibility of the user to test the product and determine suitability. GREMTEK shall not be held responsible for any loss or defect resulting from incorrect, improper or inappropriate use of this product.