



Features/Applications

GREMTUBE® G63 is a highly flexible, low shrink temperature, flame retardant, irradiated polyolefin heat shrink tubing.
GREMTUBE® G63 offers improved installation time and therefore reduces potential damage to sensitive components.
GREMTUBE® G63 is suitable for electrical cable insulation, strain relief and cable bundling. It is widely used for joints when UL rating is required.

Various

Standard colours: Black, Red, Blue, Green, Yellow, White, Clear.
Special sizes and colours available on request.

Specifications

Railway approved EN 45545-2.
UL 224, File N°E328344: VW-1, 600V (AC), 125°C. (Except clear product)
MIL-I-23053/5 Class 1 and 3, 135°C.

Dimensions



| Reference | As supplied (mm) | | After recovery (mm) | | Standard Length (m) | |
|---------------|---------------------|---------------------|---------------------|--------------------|---------------------|-------|
| | Inside Diameter (D) | Inside Diameter (d) | Inside Diameter (d) | Wall Thickness (t) | Spool | Stick |
| GREMTUBE® G63 | | | | | | |
| 001,0 | ≥ 1,2 | ≤ 0,60 | 0,41 ±0,10 | | 200 | 1,2 |
| 001,5 | ≥ 1,60 | ≤ 0,80 | 0,41 ±0,10 | | 200 | 1,2 |
| 002,0 | ≥ 2,40 | ≤ 1,20 | 0,51 ±0,10 | | 150 | 1,2 |
| 003,0 | ≥ 3,20 | ≤ 1,60 | 0,51 ±0,10 | | 150 | 1,2 |
| 004,5 | ≥ 4,80 | ≤ 2,40 | 0,51 ±0,10 | | 150 | 1,2 |
| 006,0 | ≥ 6,40 | ≤ 3,20 | 0,64 ±0,10 | | 150 | 1,2 |
| 009,0 | ≥ 9,50 | ≤ 4,80 | 0,64 ±0,10 | | 75 | 1,2 |
| 012,0 | ≥ 12,7 | ≤ 6,40 | 0,64 ±0,10 | | 50 | 1,2 |
| 018,0 | ≥ 19,1 | ≤ 9,50 | 0,76 ±0,15 | | 30 | 1,2 |
| 025,0 | ≥ 25,4 | ≤ 12,70 | 0,89 ±0,15 | | 30 | 1,2 |
| 032,0 | ≥ 32,0 | ≤ 15,90 | 0,89 ±0,15 | | 30 | 1,2 |
| 040,0 | ≥ 40,0 | ≤ 20,10 | 1,00 ±0,15 | | 30 | 1,2 |
| 050,0 | ≥ 51,0 | ≤ 25,40 | 1,15 ±0,15 | | 30 | 1,2 |
| 080,0 | ≥ 80,0 | ≤ 40,10 | 1,27 ±0,20 | | 20 | 1,2 |
| 100,0 | ≥ 102,0 | ≤ 50,80 | 1,40 ±0,20 | | 20 | 1,2 |
| 120,0 | ≥ 125,0 | ≤ 63,50 | 1,40 ±0,25 | | 20 | 1,2 |

•Spools as standard, cut pieces available on request

| Property | Values | Test Methods |
|--------------------------------|-------------------|-------------------------|
| Physical | | |
| Working temperature | -55°C to +135°C | - |
| Longitudinal change | ±8% | - |
| Tensile strength | Unaged | ≥ 10,4 MPa |
| Elongation at break | | ≥ 200% |
| Tensile strength | Aged 168h @ 175°C | ≥ 7,3 MPa |
| Elongation at break | | ≥ 100% |
| Heat shock | 4h @ 250°C | No cracking |
| Cold Blend | 1h @ -55°C | No cracking |
| Flammability, Smoke & Toxicity | Procedure C | VW-1 |
| | | R24 - HL3 |
| | | EN 45545-2 |
| Electrical | | |
| Dielectric strength | | ≥ 19,7 kV/mm |
| Dielectric withstand | 60s @ 2500V | No Breakdown |
| Volume resistivity | | ≥ 10 ¹⁴ Ω.cm |
| Chemical | | |
| Copper stability | 168h @ 175°C | Pass |
| Anti Corrosion | 168h @ 175°C | Pass |

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

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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.