



Features/Applications

GREMARK® PG63 is a flat printable, flame retardant, polyolefin heat shrink tubing. GREMARK® PG63 offers an excellent solution for cable identification and meets the highest requirements in railway, military and industrial sectors. GREMARK® PG63 is suitable for electrical cable insulation and for identifying cables and wires. It is widely used in the railway, automotive, industrial and military sector.

Various

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

Specifications

Railway approved EN 45545-2.
MIL-I-23053/5 Class 1 and 3, 135°C.

Preferred printer / ribbon combination

- To be used with the GREMTEK printing system
- Thermal transfer printer type SQUIX 4 (one side) or XDQ4 (double side)
- Thermal transfer ribbon type GR-TT6100

Dimensions



| Reference | As supplied (mm) | After recovery (mm) | | Standard Length (m) |
|---------------|---------------------|---------------------|--------------------|---------------------|
| | Inside Diameter (D) | Inside Diameter (d) | Wall Thickness (t) | Spool |
| GREMARK® PG63 | | | | |
| 001,5 | ≥ 1,60 | ≤ 0,80 | 0,41 ±0,10 | 50 |
| 002,0 | ≥ 2,40 | ≤ 1,20 | 0,51 ±0,10 | 75 |
| 003,0 | ≥ 3,20 | ≤ 1,60 | 0,51 ±0,10 | 75 |
| 004,5 | ≥ 4,80 | ≤ 2,40 | 0,51 ±0,10 | 75 |
| 006,0 | ≥ 6,40 | ≤ 3,20 | 0,64 ±0,10 | 50 |
| 009,0 | ≥ 9,50 | ≤ 4,80 | 0,64 ±0,10 | 75 |
| 012,0 | ≥ 12,7 | ≤ 6,40 | 0,64 ±0,10 | 50 |
| 018,0 | ≥ 19,1 | ≤ 9,50 | 0,76 ±0,15 | 30 |
| 025,0 | ≥ 25,4 | ≤ 12,70 | 0,89 ±0,15 | 30 |

•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 | UL 224 |
| | Elongation at break | | ≥ 200% | |
| | Tensile strength | Aged 168h @ 175°C | ≥ 7,3 MPa | UL 224 |
| | Elongation at break | | ≥ 100% | |
| | Heat shock | 4h @ 250°C | No cracking | UL 224 |
| | Cold Blend | 1h @ -55°C | No cracking | UL 224 |
| | Flammability, Smoke & Toxicity | Procedure C | VW-1 | UL 224 |
| | | | R24 - HL3 | EN 45545-2 |
| Electrical | Dielectric strength | ≥ 15 kV/mm | ASTM D 2671 | |
| | Dielectric withstand | 60s @ 2500V | No Breakdown | UL 224 |
| | Volume resistivity | ≥ 10 ¹⁴ Ω.cm | | ASTM D 876 |
| Chemical | Copper stability | 168h @ 175°C | Pass | UL 224 |
| | Anti Corrosion | 168h @ 175°C | Pass | UL 224 |

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

30/11/2023 Rev3

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.