

## TTU-MPM

### THICK-WALLED SHRINKABLE TUBING FOR INSULATING, SEALING AND PROTECTING

- Consists of two layers.
- Outside layer shrinks - inside melts and seals making it perfectly waterproof.
- Excellent bonding and sealing characteristics.
- Moulds to most irregular shapes.
- Easy to apply with gas torch or hot air gun.
- Excellent resistance to chemicals, acids and alkalines.
- Flame retardant - resists UV-light.



### Notice

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Tech-Masters is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Tech-Masters products provide, relates only to the standard conditions of sale of this product. In no case Tech-Masters can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

## THERMO TUBE MPM

### General Information

THERMO TUBE MPM is a heat-shrinkable, semi-flexible tube. The integrated fusible inner liner provides a permanent moisture-proof encapsulation for a wide range of applications. When heated, the inner wall melts and shrinkage of the outer wall presses it into the interstices. As a result, the substrate is enclosed in a

robust, moisture-tight protective barrier after cooling. The tubing provides excellent environmental protection for a wide range of irregular shapes with varying dimensions, as an operating range of -60°C to 145°C and a shrink ratio of 3/1 are standard.

### Technical Information

Tensile strenght: 14 MPa min  
 Ultimate elongation: 350 % min  
 Density: 1,0 - 1,2 g/cm<sup>3</sup>  
 Hardness: 50 - 70 shore D  
 Accelerated ageing: 7 days at 150°C ± 2°C  
 - Tensile strength: 14 MPa min  
 - Ultimate elongation: 300% min  
 Thermal endurance: 120°C  
 Low temperature flexibility: 4 hrs at -40°C ± 3°C - no cracking

Dielectric strenght: 200 kV/cm  
 Volume resistivity: 1 x 10<sup>12</sup> Ω cm min.  
 Water absorption: 7 days in oil at 23°C ± 2°C  
 - Tensile strength: 14 MPa min  
 - Ultimate elongation: 300% min  
 Weathering: The material from which MWTM is manufactured contains carbon black to protect it from ultra-violet light.  
 Additional properties: More detailed product specification data available on request.

### Application and Use

- THTHERMO TUBE MPM can be used in all electrical applications such as cables, cable branches, connections for insulation, protection and sealing.
- It can be used for applications in contact with chemicals or alkaline earths.
- It protects metal pipes from corrosion and wear.

| Article nr | Name                   | Content | Shelf Life | Catalog                |
|------------|------------------------|---------|------------|------------------------|
| T810250    | Thermo Tube MPM 25/8   | 1pc.    | -          | ELECTRICAL CONNECTIONS |
| T810370    | Thermo Tube MPM 35/12  | 1pc.    | -          | ELECTRICAL CONNECTIONS |
| T810500    | Thermo Tube MPM 50/16  | 1pc.    | -          | ELECTRICAL CONNECTIONS |
| T810700    | Thermo Tube MPM 75/22  | 1pc.    | -          | ELECTRICAL CONNECTIONS |
| T810900    | Thermo Tube MPM 95/29  | 1pc.    | -          | ELECTRICAL CONNECTIONS |
| T811140    | Thermo Tube MPM 140/42 | 1pc.    | -          | ELECTRICAL CONNECTIONS |
| T811150    | Thermo Tube MPM 115/34 | 1pc.    | -          | ELECTRICAL CONNECTIONS |
| T811160    | Thermo Tube MPM 160/50 | 1pc.    | -          | ELECTRICAL CONNECTIONS |
| T811180    | Thermo Tube MPM 180/60 | 1pc.    | -          | ELECTRICAL CONNECTIONS |

