

# TTU

## HIGH TECH FLEXIBLE SHRINK TUBE

- Seals and protects components and interconnections
- Water and humidity resistant
- Stays permanently flexible
- Application directly on copper, metals, aluminium, steel, plastics (PE)
- Adapts to any shape
- Low shrink temperature
- Flame retardant
- High UV resistance
- High chemical resistance
- Anti rodent application
- RoHS compliant



### 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

## General Information

THERMO TUBE is a universal high tech co extruded polyolefin dual wall shrink tube, with integrated meltable adhesive and sealant. THERMO TUBE provides a wide range of applications where mechanical protection and or moisture proof protection of components and interconnections is required. THERMO TUBE ,when heated, shrinks to a ratio 3/1. At the heat application the adhesives melts.

During this process the adhesive transfers to a sealant and protects the application against water, humidity and chemicals. Due its low shrink temperature, THERMO TUBE is easy to apply and has a high temperature resistance. Because of the high shrink rate only eight sizes are necessary to reach most applications.

## Technical Information

Temperature resistance: -55°C to +125°C  
 Shrink temperature: 110°C  
 Shrink ratio: 3/1  
 Longitudinal shrinkage ASTM D 2671: ≤5%  
 Tensile strength ASTM D 638: ≥12 MPa  
 Tensile strength after aging (158°C, 168 hrs): ≥90%  
 Elongation at break: ≥400%  
 Elongation after aging (158°C, 168 hrs): ≥300%  
 Heat shock ASTM D 2671: no crack  
 Low temperature flexibility (-55°C, 4 hrs): no crack  
 Flexibility: flexible

Dielectric strength ASTM D 2671: 2500 V, 60 sec. (no breakdown)  
 Electrical resistance: ≥10<sup>13</sup> Ohm  
 Flammability UL 224: pass  
 Copper corrosion: no  
 Fluid resistance ISO 37  
 Immersion 24 h at 23°C:  
 Hydraulic fluid (H-525): excellent  
 Lubricating oil (O 149): good  
 Diesel fuel (F54): good

## Application and Use

- can be used on all electrical applications (cables - cables splicing - connections) to insulate, to protect and to seal. Can be used in contact with chemicals. Is not resistant to earth alkalines. Protects metal tubing against corrosion and wear.
- insulation and protection of wires and components
- wire terminal protection
- back end sealing
- reinforcement of wire splits
- prevention of electrolytic corrosion
- insulation and protection of automotive electrical parts
- protection fo coaxial cable connectors
- anti-rodent application
- synthetic, fuel and hydraulic oil resistant applications

Article nr	Name	Content	Shelf Life	Catalog
T800030	Thermo Tube black 3/1mm	1,22m	-	ELECTRICAL CONNECTIONS
T800045	Thermo Tube black 4,5/1,5mm	1,22m	-	ELECTRICAL CONNECTIONS
T800060	Thermo Tube black 6/2mm	1,22m	-	ELECTRICAL CONNECTIONS
T800090	Thermo Tube black 9/3mm	1,22m	-	ELECTRICAL CONNECTIONS
T800120	Thermo Tube black 12/4mm	1,22m	-	ELECTRICAL CONNECTIONS
T800190	Thermo Tube black 18/6mm	1,22m	-	ELECTRICAL CONNECTIONS
T800240	Thermo Tube black 24/8mm	1,22m	-	ELECTRICAL CONNECTIONS
T800400	Thermo Tube black 40/13mm	1,22m	-	ELECTRICAL CONNECTIONS

