

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

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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: ≥10¹³ 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

