

TTUC

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 CLEAR

General Information

THERMO TUBE CLEAR is a universal high tech co extruded polyolefin dual wall shrink tube, with integrated meltable adhesive and sealant. THERMO TUBE CLEAR provides a wide range of applications where mechanical protection and or moisture proof protection of components and interconnections is required. THERMO TUBE CLEAR, when heated, shrinks to a ratio of 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 CLEAR 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
T820030	Thermo Tube clear 3/1mm	1,22m	-	ELECTRICAL CONNECTIONS
T820045	Thermo Tube clear 4,5/1,5mm	1,22m	-	ELECTRICAL CONNECTIONS
T820060	Thermo Tube clear 6/2mm	1,22m	-	ELECTRICAL CONNECTIONS
T820090	Thermo Tube clear 9/3mm	1,22m	-	ELECTRICAL CONNECTIONS
T820120	Thermo Tube clear 12/4mm	1,22m	-	ELECTRICAL CONNECTIONS
T820190	Thermo Tube clear 18/6mm	1,22m	-	ELECTRICAL CONNECTIONS
T820240	Thermo Tube clear 24/8mm	1,22m	-	ELECTRICAL CONNECTIONS
T820400	Thermo Tube clear 40/13,3mm	1,22m	-	ELECTRICAL CONNECTIONS

