

### 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 retardent
- High UV resistance
- High chemical resistance
- · Anti rodent application
- RoHS compliant

# **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:  $\leq$  5% Tensile strength ASTM D 638:  $\geq$  12 MPa Tensile strength after aging (158°C, 168 hrs):  $\geq$  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

Lubricanting oil (O 149): good Diesel fuel (F54): good

#### **APPLICATION AND USE**

- can be used on all electrical applications (cables
  - cables splycing connections) to insulate, to
  protect and to seal. Can be used in contact with
  chemicals. Is not resistant to earth alcalines.
  Protects metal tubing against corrosion and
- 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	1 pc.	-	ELECTRICAL CONNECTIONS
	3/1 mm			
T820045	Thermo Tube clear	1 pc.	-	ELECTRICAL CONNECTIONS
	4,5/1,5 mm			
T820060	Thermo Tube clear	1 pc.	-	ELECTRICAL CONNECTIONS
	6/2 mm			
T820090	Thermo Tube clear	1 pc.	-	ELECTRICAL CONNECTIONS
	9/3 mm			
T820120	Thermo Tube clear	1 pc.	-	ELECTRICAL CONNECTIONS
	12/4 mm			
T820190	Thermo Tube clear	1 pc.	-	ELECTRICAL CONNECTIONS
	18/6 mm			
T820240	Thermo Tube clear	1 pc.	-	ELECTRICAL CONNECTIONS
	24/8 mm			
T820400	Thermo Tube clear	1 pc.	-	ELECTRICAL CONNECTIONS
	39/13 mm			

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