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Automotive

# TMX

# THERMOFLUX

## UNIQUE, SHRINKABLE INSULATION FOR MULTIPURPOSE USE

- Consists of two layers.
- Outside layer shrinks. Inside layer of adhesive melts.
- The adhesive seals the connection completely, making it strong and perfectly waterproof.
- Excellent corrsion, U.V., water, chemical and acid resistance.
- Can be applied directly to copper.
- Durable.
- THERMOFLUX moulds to any shape.
- Fast, simple and safe to use.
- Flame retardant and permanently flexible.
- Easy to apply.



## GENERAL INFORMATION

THERMOFLUX is a flexible, heat shrinkable dual wall tubing with an integrally bonded meltable adhesive inner lining, designed to provide permanent moisture proof encapsulation to a wide variety of substrates and uses.
THERMOFLUX has a unique inner wall which melts when heated and is forced into the crevices and interstices by the shrinking of the outer wall. When cooled the entire mass becomes a flexible, tough homogeneous covering with a controlled wall thickness.
THERMOFLUX is manufactured from radiation cross-linked polyolefins.
THERMOFLUX shrinks to 1/3 of its supplied diameter and thus only a few sizes (8) are required to cover a full range of irregular shapes in a wide variety of applications.

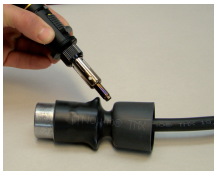
## TECHNICAL INFORMATION

Temperature resistence: -55 + 150°C.
Shrink temperature: 125°C.
Shrink ratio: 3/1.
Tensile strenght ISO 37: 11.5 MPa.
Ultimate elongation ISO 37: 490%.
Flexibility: flexible.
Dielectric strength IEC 243: 30 MV/m (VDE 0303 Pt2).
Electrical resistance: $10^{13}$ Ohm.
Flame retardancy ASTM D 876, ASTM D 2671:
Inner wall: no.
Outer wall: yes, retardant.
Fluid resistence ISO 1817 and ISO 37
Immersion 24h at 23°C:
hydraulic fluid: excellent
aviation fuel F 40: good
lubricating oil O-149: good
Diesel fuel F-54: 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 wear.
- insulation and protection of wires and components
- wire terminal protection
- reinforcement of wire splits
- prevention of electrolytic corrosion
- insulation and protection of automotive electrical parts
- protection of coaxial cable connectors
- synthetic, fuel and hydraulic oil resistant applications

| Article nr | Name | Content | Section |
|---|---|---|---|
| N800320 | Thermoflux 3,2mm | 1pc. | ELECTRICAL CONNECTIONS |
| N800480 | Thermoflux 4,8mm | 1pc. | ELECTRICAL CONNECTIONS |
| N800640 | Thermoflux 6,4mm | 1pc. | ELECTRICAL CONNECTIONS |
| N800940 | Thermoflux 9,4mm | 1pc. | ELECTRICAL CONNECTIONS |
| N801270 | Thermoflux 12,7mm | 1pc. | ELECTRICAL CONNECTIONS |
| N801910 | Thermoflux 19,1mm | 1pc. | ELECTRICAL CONNECTIONS |
| N802540 | Thermoflux 25,4mm | 1pc. | ELECTRICAL CONNECTIONS |
| N804000 | Thermoflux 40mm | 1pc. | ELECTRICAL CONNECTIONS |



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