



THFC

Thermoflex Clear

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



GENERAL INFORMATION

THERMOFLEX CLEAR is a universal high tech co extruded polyolefin dual wall shrink tube, with integrated meltable adhesive and sealant. THERMOFLEX CLEAR provides a wide range of applications where mechanical protection and or moisture proof protection of components and interconnections is required. THERMOFLEX 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, THERMOFLEX 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

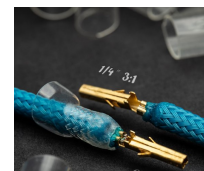
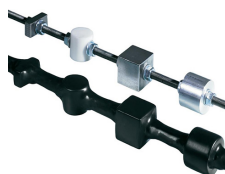
Temperature resistance: -55°C to +125°C
 Shrink temperature: 110°C
 Shrink ratio: 3/1
 Longitudinal shrinkage ASTM D 2671: ≤ 5%
 Tensile strength ASTM D 638: ≥ 12 MPa
 Tensile strength after aging (158°C, 168 hrs): ≥ 90%
 Elongation at break: ≥ 400%
 Elongation after aging (158°C, 168 hrs): ≥ 300%
 Heat 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	Section
X820030	Thermoflex Clear 3/1 mm	1 pc.	ELECTRICAL CONNECTIONS
X820045	Thermoflex Clear 4,5/1,5 mm	1 pc.	ELECTRICAL CONNECTIONS
X820060	Thermoflex Clear 6/3 mm	1 pc.	ELECTRICAL CONNECTIONS
X820090	Thermoflex Clear 9/3 mm	1 pc.	ELECTRICAL CONNECTIONS
X820120	Thermoflex Clear 12/4 mm	1 pc.	ELECTRICAL CONNECTIONS
X820190	Thermoflex Clear 19/6,3 mm	1 pc.	ELECTRICAL CONNECTIONS
X820240	Thermoflex Clear 24/8 mm	1 pc.	ELECTRICAL CONNECTIONS
X820400	Thermoflex Clear 40/10 mm	1 pc.	ELECTRICAL CONNECTIONS



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. Xintex is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Xintex products provide, relates only to the standard conditions of sale of this product. In no case Xintex can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

TECH-MASTERS TRADING GMBH

Perfektastraße 55, 1230 Wien, Austria, Tel +43 (0) 1 / 867 29 07
 Fax +43 (0) 1 / 867 29 93, E-Mail office@tech-masters-trading.com

WWW.XINTEX-GROUP.COM

