



HFT5000 **Heat-Shrinkable Fabric Tubing**

Application

HFT5000 products are made of very flexible heat-shrinkable fabric material. Heated above 110°C, they shrink and fit snugly and securely around the underlying substrate.

Designed primarily to provide mechanical abrasion protection for components such as rubber hoses, plastic pipes, and harness wiring bundles, they are also suitable for other applications, such as noise and rattle suppression.

Woven from heat-shrinkable circumferential polyolefin filaments and non-shrinking longitudinal polyester fibres, the product is halogen free.

The woven construction makes HFT5000 extremely flexible and resistant to trapping water, heat and humidity.

It provides outstanding abrasion, chafing and cutting protection, even at high temperatures.

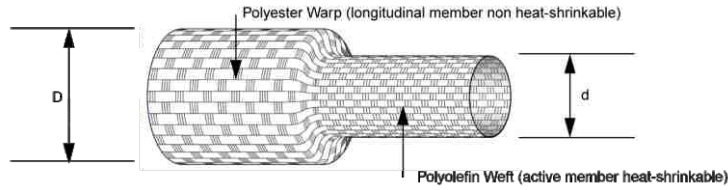
HFT5000 product is easy to install and can be cut with standard industrial cutting equipment.

Features

- High flexible woven fabric tubing
- Polyethylene/polyester construction for excellent abrasion resistance
- Low shrink temperature
- Halogen free
- 2:1 shrink ratio



TECHNICAL INFORMATION



Part Code	Description	Inside Diameter (mm)		MOQ
		As supplied Min. D	After recovery Max. d	
EH131-1000	HFT 5000-12/6-0-SP	12	6	25m
EH131-1005	HFT 5000-20/10-0-SP	20	10	25m
EH131-1010	HFT 5000-30/15-0-SP	30	15	25m
EH131-1015	HFT 5000-40/20-0-SP	40	20	25m
EH131-1020	HFT 5000-50/25-0-SP	50	25	25m
EH131-1025	HFT 5000-60/30-0-SP	60	30	25m
EH131-1030	HFT 5000-70/35-0-SP	70	35	25m

Material(s) Description

Colour	Black
Warp material	Polyester
Weft material	Irradiated, modified polyolefin
Coating	Modified polyolefin

Temperature rating

Operating temperature range (3000 hours):	-40°C to 125°C
Operating temperature range (1000 hours):	-40°C to 150°C
Minimum recovery temperature:	110°C (recommended recovery temperature 140°C to 190°C)
Maximum storage temperature:	60°C

Typical HFT5000 Performance

Property	Test condition(s)	Performance*
Abrasion resistance (200g load, 0.3mm radius metal blade, 10Hz, 10mm stroke, 144 000 cycles)	23°C	No wear to underlying rubber hose
	80°C	No wear to underlying rubber hose
	135°C	No wear to underlying rubber hose
Thermal ageing	3000 hrs at 125°C	No deterioration in abrasion resistance at 80°C
	1000 hrs at 150°C	No deterioration in abrasion resistance at 80°C
Flammability	MVSS302	Pass
Low temperature flexibility	4 hours at -40°C, 10X diameter mandrel	No cracking
Cold impact	200g weight from 100mm at -40°C	No cracking
Temperature/humidity cycling	See RW2060 for details	No deterioration in abrasion resistance at 80°C
Thermal shock	100 cycles between -40°C and 125°C	No deterioration in abrasion resistance at 80°C
Fluid resistance	24 hr immersion at 23°C	No deterioration in abrasion resistance at 80°C
	Antifreeze (50% ethylene glycol)	
	Engine oil (SAE 10w/30)	
	Mineral hydraulic fluid	
	Detergent (1% Teepol)	
	Brake fluid (DOT 4)	
	Unleaded gasoline	
	Diesel fuel	
	Battery acid (1.25 SG H ₂ SO ₄)	