

HFT5000

Polyolefin/polyester construction
Heat-shrinkable fabric tubing

Abrasion and Mechanical Protection

HFT5000 is made from a very flexible heat-shrinkable fabric and at temperatures above +110°C shrinks to fit securely around a range of shapes and sizes. Designed to provide mechanical abrasion protection, noise and rattle suppression, for components such as rubber hoses, plastic pipes, and harness wiring bundles.

The woven construction makes HFT5000 extremely flexible and resistant to trapping water, heat and humidity. It also provides outstanding abrasion, chafing and cutting protection, even at high temperatures.

Features & Benefits

- 2:1 shrink ratio for easy installation
- Highly flexible woven construction
- Outstanding abrasion resistance over a wide temperature range
- Resistance to harsh environments
- Easily cut with standard industrial cutting equipment
- Low shrink temperature for safe installation onto heat sensitive substrates
- Halogen free

Operating Temperature

- From -40°C to +125°C (3000 hours)
- From -40°C to +150°C (1000 hours)

Installation

- Minimum shrink temperature +110°C
- Minimum full recovery +140°C to +190°C
- Maximum storage temperature +60°C

Materials Description

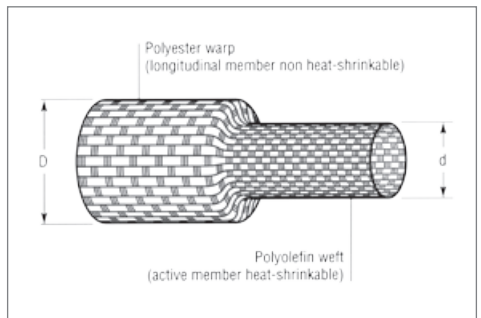
Warp material: Polyester
Weft material: Irradiated, modified polyolefin
Coating: Modified polyolefin

2:1 shrink ratio



Specifications & Approvals

- UL E199379 135°C
- RW2060



Properties	Test	Results
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 aging	3000 hrs at +125°C	No deterioration at +80°C
	1000 hrs at +150°C	No deterioration +80°C
Flammability	MVSS302	Pass
Low temperature flexibility	4 hrs at -40°C & +125°C	No cracking
Cold impact	200g weight from	
	100mm at -40°C	No cracking
Thermal shock	100 cycles between	
	-40°C and +125°C	No deterioration at +80°C
Fluid resistance: 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).	24hrs immersion at +23°C	No deterioration in abrasion resistance at +80°C

Inside Diameter		Std Pack Size	Part Number
Supplied (mm)	Recovered (mm)	Spools (SP)	
4	2	500m	HFT5000-4/2-0-SP
6	3	500m	HFT5000-6/3-0-SP
12	6	500m	HFT5000-12/6-0-SP
20	10	400m	HFT5000-20/10-0-SP
30	15	400m	HFT5000-30/15-0-SP
40	20	300m	HFT5000-40/20-0-SP
50	25	200m	HFT5000-50/25-0-SP
60	30	200m	HFT5000-60/30-0-SP
70	35	150m	HFT5000-70/35-0-SP

Note: The fully recovered wall thickness will be approximately 1mm and longitudinal shrinkage on full recovery is between 10% and 20%.

Part Number Example; HFT5000-60/30-0-SP 60mm inside diameter, black tubing, supplied on a spool.

Ordering Information

Standard colour: **0** = Black
 Size selection: The largest size that will fit snugly over the component(s)
 Standard packaging: Spools (SP), for MOQ please contact us.
 Ordering description: Specify product name, size and colour: HFT5000-20/10-0-SP

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