

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT881U

FITCOTUBE® FT881U is a dual wall heat shrinkable tube made of cross-linked polyolefin with hot melt adhesive liner. It protects automotive brake and fuel piping from mechanical damage as well as potential corrosion caused by moisture. It is halogen-free and environmentally friendly, and RoHS and ELV compliant.

FITCOTUBE® FT881U-H has been independently tested and meets the requirements of GMW 18197.

Operating temperature: -40°C to +80°C (optional: +125°C)
Shrink temperature: +110°C
Shrink ratio: 1.5: 1 to 4:1
Standard color: Black
 Other colors on request



Description(*)	Applic. pipe diam.	As supplied (mm)		After recovery(mm)	
		ID (min.)	Wall thickness (nom.)	ID (max.)	Wall thickness (nom.)
FT881U 5.0/3.0	3.50	5.0	0.70	3.0	1.10
FT881U 6.5/4.0	4.76	6.5	0.75	4.0	1.10
FT881U 8.5/6.0	6.35	8.5	0.75	6.0	1.10
FT881U 10.0/7.0	8.0	10.0	0.70	7.0	1.20
FT881U 14.0/8.0	9.53	14.0	0.70	8.0	1.20
FT881U 15.0/8.0	10.0	15.0	0.70	8.0	1.20
FT881U 15.0/4.0	4.76	15.0	0.40	4.0	1.20
Special size:					
FT881U-TW 6.5/4.0		6.5	0.45	4.0	0.85

Further special sizes on request

(*) For optional operating temperature +125°C for standard sizes please order: FT881U-H x/y

Packaging: On spools, cut lengths on request.

Processing note: Care for clean and straight cutting edges. Start shrinkage on the end. Pre-heat metal body.

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Properties	Test Method	Typical Value
Mechanical		
Tensile strength	ASTM D 2671	≥12MPa
Ultimate elongation	ASTM D 2671	≥ 300%
After heat aging (120°C/24h): Tensile strength Ultimate elongation	ASTM D 2671	≥12MPa ≥270%
Longitudinal change	ASTM D 2671	-5% ~ +5%
Thermal		
Low temp. impact brittleness (-35°C)	ASTM D 746	No cracking
Drop impact resistance (+23°C)	JIS C3005	No cracking
Stress cracking resistance IGEPL (24h x +50°C)	ASTM D 1693	No cracking
Chemical		
Deformation resistance	UL 224	≤50%
Fluid resistance (72h x 25°C) Sulfuric acid (1.28 specific) Sodium hydroxide (0.1N) Motor vehicle brake fluid Unleaded gasoline	ASTM D 2671	No cracking

Key benefits:

- Semi-rigid polyolefin outer layer
- Thermal melt adhesive liner
- Low shrink temperature
- Halogen free

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