

Polyolefin heat-shrink tubing

## **FITCOTUBE<sup>®</sup> FT400**

Flexible, flame resistant Polyolefin-tube with high shrink ratio. Because of the high shrink rate of 4 : 1 its particularly suitable for repair of cable assemblies without disassembling any connectors. Protection, insulation and mechanical strain relief of wires, cables and devices with large differences in diameter.

Operating temperature:	- 55°C to +135°C, short time up to + 250°C
Shrink temperature:	+ 90° C
Shrink ratio:	4:1
Standard colors:	Black. Other colors on request.



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after full recovery (max.)	after full recovery (nom.)
FT400-2540	25.40	6.60	1.52
FT400-3810	38.10	9.50	1.52
FT400-5040	50.80	12.70	1.52
FT400-7620	76.20	19.10	1.52
FT400-10160	101.60	25.40	1.52

Packaging:	Up to and including size 5040: size 7620 and 10160: Special sizes on request.	1.2-meter-lengths. 0.9-meter-lengths.
Processing note:	Care for clean and accurate cutting edge. Start shrinkage on the end. Pre-heat metal body.	

GREMCO GmbH · Sterzinger Str. 6 · D-86165 Augsburg · T +49.821.272 63-0 · F +49.821.272.63-55 · info@gremco.de · www.gremco.de

All of the above information is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Gremco make no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. Gremco's only obligations are those in the Standard Terms and Conditions of Sale for this product, and in no case will Gremco be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product.



Polyolefin heat-shrink tubing

## **FITCOTUBE<sup>®</sup> FT400**

Attributes	Testing	Requirements	Value
Mechanical			
Tensile Strength	ASTM D 638	min. 10.4 MPa	≥ 12 MPa
Ultimate Elongation	ASTM D 638	min. 200 %	≥ 400 %
Longitudinal Change	SAE-AMS-DTL-23053	± 5 %	± 3 %
Specific Gravity	ASTM D 792	max. 1.35	1.34
Elastic Modulus	ASTM D 882	max. 173 Mpa	65 Mpa
Thermal			

Low temperature flexibility (- 55 °C x 4h)	SAE-AMS-DTL-23053	no cracking	pass
Elongation after heat ageing (175°C x 168h)	SAE-AMS-DTL-23053	min. 100 %	420 %
Sort term ageing (250°C x 4h)	SAE-AMS-DTL-23053	no flowing or dripping	pass
Colour stability (175°C x 24h)	SAE-AMS-DTL-23053	unchanged	pass
Flammability	UL 224	VW-1 (self-estinguishing)	pass

## Electrical

Dielectric Strength	ASTM D 876	min. 19.7 kV/mm	≥ 37 kV/mm
Volume Resistivity	ASTM D 876	min. 10 <sup>14</sup> Ω/cm	3.1 x 10 <sup>14</sup> Ω/cm

## Chemical

Copper Corrosion (150°C x 16h)	SAE-AMS-DTL-23053	no corrosion	pass
Water absorption	ASTM D 570	max. 0.5 %	0.25 %
Fungus Resistance	SAE-AMS-DTL-23053	ASTM G 21	pass

GREMCO GmbH · Sterzinger Str. 6 · D-86165 Augsburg · T +49.821.272 63-0 · F +49.821.272.63-55 · info@gremco.de · www.gremco.de

FITCO<sup>\*</sup> = trademark of GREMCO All of the above information is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Gremco make no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. Gremco's only obligations are those in the Standard Terms and Conditions of Sale for this product, and in no case will Gremco be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product.