

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT555

Halogen free, high performance, flexible, cross-linked polyolefin heat shrink tubing. Reliable insulation, mechanical protection primarily used in the automotive industry and commercial industrial applications. Prevents outgassing ("fogging-effect") in lightning applications.

Operating temperature:	- 70°C to + 135°C, short time up to + 225°C
Shrink temperature:	+ 90°C
Shrink ratio:	2 : 1
Standard color:	Black Special colors on request
Test method:	According to VW 50180 and VW 50181 gravimetric fogging behavior



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after shrinkage (max.)	after shrinkage (nom.)
FT555-120	1.20	0.60	0.31
FT555-160	1.60	0.80	0.33
FT555-240	2.40	1.20	0.36
FT555-320	3.20	1.60	0.39
FT555-480	4.80	2.40	0.42
FT555-640	6.40	3.20	0.45
FT555-950	9.50	4.80	0.48
FT555-1270	12.70	6.40	0.52
FT555-1900	19.00	9.50	0.58
FT555-2540	25.40	12.70	0.67
FT555-3800	38.00	19.00	0.76
FT555-5100	51.00	25.40	0.85
FT555-7600	76.00	38.00	0.95
FT555-10200	102.00	51.00	1.05
FT555-12700	127.00	63.50	1.40

Packaging:	On spools, cut lengths or printed tubing on request. Special sizes on request.
Processing note:	Care for clean and accurate cutting edge. Start shrinkage on the end. Pre-heat metal body.

Polyolefin Heat-Shrink Tubing

FITCOTUBE® FT555

Properties	Test Method	Requirements	Typical Value
Mechanical			
Tensile strength	ASTM D 638	Min. 10.4 MPa	Pass
Ultimate elongation	ASTM D 638	Min. 200%	≥ 400%
Longitudinal change	SAE-AS23053	- 5% ± 10%	- 5%
Elastic modulus	ASTM D 882	Max. 173 MPa	≤ 100 MPa
Specific density	ASTM D 792	Nom. 1.1	Pass
Thermal			
Low temperature flexibility (4h x - 70°C)	UL 224	No cracking	Pass
Heat shock (4h x 225°C)	UL 224	No cracking, flowing or dripping	Pass
Elongation after long term aging (168h x 136°C)	SAE-AS23053	Min. 100%	≥ 170%
Tensile strength after long term aging (168h x 136°C)	SAE-AS23053	Min. 7.3 MPa	Pass
Flammability	FMVSS 302	Pass	Pass
Electrical			
Dielectric strength	ASTM D 876	Min. 19.7 kV/mm	≥ 23 kV/mm
Volumetric resistance	ASTM D 257	Min. 10 ¹⁴ Ω*cm	Pass
Nominal voltage	-	-	600 V
Breakdown test (60s x 2,5kV)	UL 224	No breakthrough	Pass
Chemical			
Copper corrosion (16h x 175°C)	UL 224	No corrosion	Pass
Fluid resistance (24h x 24°C)	SAE-AS23053	Min. 10.4 MPa (Tensile strength)	Pass
Fluid resistance (24h x 24°C)	SAE-AS23053	Min. 200% (Elongation)	Pass
Fogging behavior gravimetric	VW 50180, VW 50181	-	Pass

* Tested fluids (24h x 23°C):

Gasoline, simulated windshield cleaner, brake fluid, anti-freezing fluid, battery fluid, engine oil, torque conversion oil

GREMCO GmbH · Sterzinger Str. 6 · D-86165 Augsburg · T +49.821.272 63-0 · F +49.821.272.63-44 · info@gremco.de · www.gremco.de •

PDS No.: 20260710130332

Version: UWM0726-0

Print Date: 10. Jul. 2026

FITCO® = 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.