

Fluoropolymer heat-shrink tubing

FITCOTUBE® FT230

Thin walled, highly flexible, solvent-resistant fluoropolymer-heat shrink tube. For applications that require a high temperature resistance or chemical resistance and also require a low shrinkage temperature.

Operating temperature: - 55°C to + 200°C
Shrink temperature: + 130°C
Shrink ratio: 2 : 1
Standard colors: Black, clear, other colors on request
Specifications/approvals: Mil Spec. M23053/18 class 3



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after full recovery (max.)	after full recovery
FT230-2.4/1.2	2.40	1.20	0.23 – 0.31
FT230-3.2/1.6	3.20	1.60	0.23 – 0.31
FT230-4.8/2.4	4.80	2.40	0.23 – 0.31
FT230-6.4/3.2	6.40	3.20	0.28 – 0.38
FT230-9.5/4.8	9.50	4.80	0.28 – 0.38
FT230-12.7/6.4	12.70	6.40	0.28 – 0.38
FT230-19.1/9.5	19.10	9.50	0.36 – 0.50
FT230-25.4/12.7	25.40	12.70	0.41 – 0.55

Packaging: On Spools.
 Special sizes on request.
 Cut and printed lengths on request.

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

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Attributes	Testing	Typical Value
Physical		
Tensile strength	SAE-AMS-DTL-23053	≥ 40 MPa
Ultimate Elongation	SAE-AMS-DTL-23053	≥ 500 %
Secant modulus	SAE-AMS-DTL-23053	≥ 150 MPa
Heat shock (300°C / 4h)	SAE-AMS-DTL-23053	No cracking
Restricted shrinkage (200°C / 30min.)	SAE-AMS-DTL-23053	No cracking
Heat ageing (250°C / 168h)		
Tensile strength	SAE-AMS-DTL-23053	≥ 26 MPa
Elongation		≥ 400%
Low temperature flexibility (-55°C x 4h)	SAE-AMS-DTL-23053	No cracking
Copper Corrosion (175°C x 16h)	SAE-AMS-DTL-23053	pass
Water absorption (23°C x 24h)	SAE-AMS-DTL-23053	≤ 0.3 %
Electrical		
Volume resistivity	SAE-AMS-DTL-23053	2x10 ¹³ Ω/cm
Dielectric strength	SAE-AMS-DTL-23053	≥ 30 kV/mm
Chemical		
Flammability	ASTM D 2671-C	pass
Fluid resistance (23°C / 24h)		
Tensile strength	MIL-PRF-5606	
Elongation		
Tensile strength	MIL-DTL-83133	
Elongation		
Tensile strength	MIL-PRF-7808	
Elongation		> 30 MPa
Tensile strength	MIL-PRF-23699	> 500%
Elongation		
Tensile strength	5%NaCl	
Elongation		
Tensile strength	AMS1424 (deicing fl.)	
Elongation		