

PTFE heat shrink tubing with melting FEP core

FITCOTUBE® TF/FP-B

Dual Wall, high temperature resistant heat shrinkable tubing made of PTFE with melting FEP core for sealing and encapsulation of components with highest demands on temperature resistance and/or chemical resistance.

Operating temperature: -190°C to +205°C
Shrinking temperature: min. +330°C
Shrink ratio: 1.5 : 1
Standard color: Nature / transparent (milky)



Description	Inner diameter (mm)		Wall thickness (mm)
	as supplied (min.)	after full recovery (max.)	after full recovery (nom.)
TF/FP-036B-S	0.91	0.00	0.70 – 0.75
TF/FP-060B-S	1.52	0.00	0.85 – 0.93
TF/FP-130B-S	3.30	0.00	1.25 – 1.40
TF/FP-160B-S	4.05	0.00	1.47 – 1.65
TF/FP-190B-S	4.80	1.60	0.90
TF/FP-250B-S	6.40	3.20	0.90
TF/FP-350B-S	8.90	4.80	0.90
TF/FP-450B-S	11.40	7.90	1.40
TF/FP-700B-S	17.80	11.20	1.40
TF/FP-950B-S	24.10	16.00	1.65
-thin walled-			
TF/FP-065B-L	1.65	0.00	0.78 – 0.93
TF/FP-115B-L	2.90	1.15	0.38
TF/FP-130B-L	3.30	1.50	0.38
TF/FP-190B-L	4.80	1.65	0.38
TF/FP-240B-L	6.10	3.80	0.50
TF/FP-350B-L	8.90	5.40	0.65
TF/FP-480B-L	12.20	8.00	0.80
TF/FP-700B-L	17.80	12.70	1.00
TF/FP-990B-L	25.40	17.80	1.15

* other dimensions on request

Packaging: 1.22m lengths. Special sizes on request.
Processing note: Care for clean and accurate cutting edges. Start shrinkage on the end. Pre-heat metal body.

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Properties	Testing	PTFE-Value	FEP-Value
Mechanical			
Density	ISO 1183	2,14-2,19g/cm ³	2,12-2,17g/cm ³
Tensile strength	ISO 527	≥29N/mm ²	≥19N/mm ²
Elongation at break	ISO 527	≥200%	≥250%
Shore hardness	ISO 868	D 55-72	D 55-60
Thermal			
Melting temperature	ISO 12086	+327°C	+253 - +282°C
Longitudinal shrinkage	--	±10%	±10%
Operating temperature	--	-200°C bis +260°C	-190°C bis +205°C
Flammability	UL 94	V-0	V-0
Electrical			
Dielectric constant (100Hz)	IEC 60250	<2,1	<2,1
Dielectric strength	IEC 60243-2	>40kV/mm	>50kV/mm
Dielectric loss factor (100Hz)	--	0,5-0,7*10 ⁻⁴	0,5-0,7*10 ⁻⁴
Volume resistivity	IEC 60093	>10 ¹⁶ Ω	>10 ¹⁶ Ω