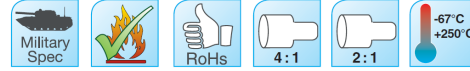


HPTF—High temperature, chemically inert, heat shrinkable tubing



Features & Benefits

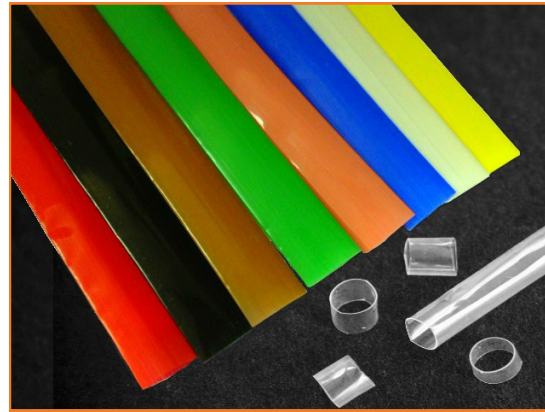
- Shrink Ratio 2:1 & 4:1
- Highly flame retardant
- Excellent chemical resistance
- Operating temperature range -70°C to $+260^{\circ}\text{C}$
- Minimum shrink temperature is 340°C ($\pm 5^{\circ}\text{C}$)

Specifications

Agency
AMS 3584, 3585
Military

Standard Colours & Colour Codes

Black - 0	Yellow - 4	Grey - 8
Brown - 1	Green - 5	White - 9
Red - 2	Blue - 6	Pink - 2L
Orange - 3	Violet - 7	Clear - X



Applications

Hilltop HPTF is a heat-shrinkable tubing manufactured from a modified Teflon (Polytetrafluoroethylene), an excellent high temperature covering and insulating material. HPTF has the added advantages of thin wall high shrink ratio, greater flexibility and transparency in application. Can be used within the medical industry.

HPTF is highly flame retardant and exhibits outstanding chemical and solvent resistance with electrical characteristics which remain stable over a wide temperature range. The operating temperature ranges from 70°C to $+260^{\circ}\text{C}$ and up to 400°C for short period. The major uses of this material are for electrical insulation, protection of electronic components and the covering of hydraulic hose and coupling preventing contamination and corrosion. The high mechanical strength and extremely low coefficient of friction make it ideal for reducing damage to bearing shafts etc.

Ordering Size	Min Expansion	Max Recovered	Nominal Recovered Wall	ORDERING DESCRIPTION
mm	mm	mm	mm	
2.0	1.9	0.64	0.23	HPTF-2.0-colour code
3.2	3.18	0.94	0.26	HPTF-3.2-colour code
4.8	4.75	1.27	0.31	HPTF-4.8-colour code
6.4	6.35	1.60	0.31	HPTF-6.4-colour code
9.5	9.53	2.44	0.31	HPTF-9.5-colour code
12.7	12.70	3.66	0.39	HPTF-12.7-colour code
15.9	15.80	4.53	0.39	HPTF-15.9-colour code
19.0	19.00	5.69	0.39	HPTF-19.0-colour code
25.4	25.40	7.07	0.39	HPTF-25.4-colour code
38.0	38.10	10.16	0.39	HPTF-38.0-colour code
51.0	50.80	13.21	0.51	HPTF-51.0-colour code
63.5	63.50	16.51	0.51	HPT-63.5-colour code
76.0	76.20	19.69	0.51	HPTF-76.0-colour code
102.0	101.60	26.04	0.64	HPTF-102.0-colour code

Electric Strength:
Test Method: IEC 60243
Test Requirement: 27.5 MV/m minimum

Tensile Strength:
Elongation:
Longitude Change:

IEC 811-1-1 19mPs
IEC 811-1-1 200%
ASTM-D 2671 $\pm 20\%$

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