

High Temperature Chemically Inert, Teflon Heat Shrinkable And Non Shrinkable Tubing

Specification Values

PROPERTY	TEST METHOD	VALUES
Tensile	ASTM D638	2500-4000psi minimum
Elongation	ASTM D638	225-450% minimum
Low Temperature Flexibility	AMS-DTL-23053	no cracking
Coefficient of Friction		0.10
Electric Strength	ASTM D876	40KVolts/mm
Volume Resistivity	ASTM D876	10 ¹⁸ Ohm-cm
Dielectric Constant	ASTM D150	2.05±0.05
Water Absorption	ASTM D570	0.01% maximum
Corrosion (Copper Contact)	AMS-DTL-23053	non-corrosive
Flammability	ASTM D876	non-burning
Fluid Resistance	AMS-DTL-23053	no change in properties
Operating Temperature Range		250°C maximum

- Shrink Ratio 4:1
- Operating Temperature Range -67°C to 250°C
- Shrink Temperature 327°C
- Exceptional chemical resistance and high temperature capability makes STFE suitable for use in many applications including aircraft, medical and chemically hostile environments



Ordering Data

4:1

ORDERING SIZE	AS SUPPLIED MIN DIA	AFTER RECOVERY MAX DIA	NOMINAL RECOVERED WALL THICKNESS	STANDARD LENGTHS
$\frac{5}{64}$	2.0	1.98	0.63	1.2
$\frac{1}{8}$	3.2	3.17	0.94	1.2
$\frac{3}{16}$	4.8	4.75	1.27	1.2
$\frac{1}{4}$	6.4	6.35	1.60	1.2
$\frac{3}{8}$	9.5	9.52	2.44	1.2
$\frac{1}{2}$	12.7	12.70	3.66	1.2
$\frac{5}{8}$	15.8	15.87	4.52	1.2
$\frac{3}{4}$	19.0	19.05	5.69	1.2
1	25.4	25.40	7.06	1.2
$1\frac{1}{2}$	38.1	38.10	10.16	1.2
2	50.8	50.80	13.21	1.2

NON SHRINK

ORDERING SIZE	INSIDE DIAMETER (mm)			WALL DIMENSIONS (mm)			
				STANDARD WALL		THIN WALL	
	(AWG)	Min.	Nom.	Max.	Min.	Tol.	Nom.
30	0.25	0.30	0.38	0.23	±0.05	0.23	±0.05
28	0.33	0.38	0.46	0.23	±0.05	0.23	±0.05
26	0.41	0.46	0.53	0.23	±0.05	0.23	±0.05
24	0.51	0.56	0.66	0.30	±0.05	0.25	±0.08
23	0.58	0.66	0.74	0.30	±0.05	0.25	±0.08
22	0.66	0.71	0.81	0.30	±0.05	0.25	±0.08
21	0.74	0.81	0.89	0.30	±0.05	0.25	±0.08
20	0.81	0.86	0.97	0.41	±0.08	0.30	±0.08
19	0.91	0.97	1.07	0.41	±0.08	0.30	±0.08
18	1.02	1.07	1.17	0.41	±0.08	0.30	±0.08
17	1.14	1.19	1.32	0.41	±0.08	0.30	±0.08
16	1.29	1.35	1.47	0.41	±0.08	0.30	±0.08
15	1.45	1.50	1.65	0.41	±0.08	0.30	±0.08
14	1.62	1.68	1.83	0.41	±0.08	0.30	±0.08
13	1.83	1.93	2.06	0.41	±0.08	0.30	±0.08
12	2.06	2.16	2.31	0.41	±0.08	0.30	±0.08
11	2.31	2.41	2.57	0.41	±0.08	0.30	±0.08
10	2.59	2.69	2.84	0.41	±0.08	0.30	±0.08
9	2.89	3.00	3.15	0.51	±0.10	0.38	±0.08
8	3.28	3.38	3.53	0.51	±0.10	0.38	±0.08
7	3.66	3.76	3.94	0.51	±0.10	0.38	±0.08
6	4.11	4.22	4.42	0.51	±0.10	0.38	±0.08
5	4.62	4.72	4.95	0.51	±0.10	0.38	±0.08
4	5.18	5.28	5.54	0.51	±0.10	0.38	±0.08
3	5.81	5.94	6.20	0.51	±0.10	0.38	±0.08
2	6.55	6.68	6.93	0.51	±0.10	0.38	±0.08
1	7.34	7.74	7.75	0.51	±0.10	0.38	±0.08
0	8.25	8.38	8.69	0.51	±0.10	0.38	±0.08

Standard Colours:

natural translucent

(other colours available to order)

Standard Packaging:

1.2 metre lengths (4:1), Reels (non shrink)

(Special lengths available to order)

To order:

specify product part number, size and colour

(e.g. STFE4 3.2 CLR)

