

Heat Shrink PTFE Tubing



Model: HSTT-1.7X / HSTT-4X

Heat Shrink PTFE Teflon Tubing helps extend product life by providing a protective covering that resists heat, shock, corrosion, moisture and other extremes. They have excellent surface lubricity and high dielectric strength. They are water resistant, chemically inert, and can be produced in a number of custom sizes with a range of shrink ratios.

Applications:

- >Guidewire jacketing (interventional, access)
- >Coating surgical instruments
- >Dielectric insulation
- >Component covering
- >Water proofing
- >Abrasion/corrosion protection
- >Reflow bonding

Property:

Test Item	Value
Material	PTFE
Color	transparent
Operating temperature	-80°C ~ 260°C
Flammability	UL94V-1
Shrinking temperature	280°C - 320°C
Impedance	$\geq 1018 \Omega \cdot \text{CM}$
Water absorption	$\leq 0.01\%$
Longitudinal shrinkage	5%
Tensile strength	> 2700psi
Elongation at break	> 200%

HSTT-1.7X

Size(mm)	I.D. before shrinking (mm)	Average thickness(mm)	I.D. after recovery (mm)	Thickness after full recovery(mm)
φ0.5	0.7±0.2	0.10±0.05	≤0.40	0.15±0.05
φ1.0	1.0±0.2	0.10±0.05	≤0.50	0.15±0.05
φ1.5	1.5±0.2	0.10±0.05	≤0.90	0.15±0.05
φ2.0	2.0±0.2	0.10±0.05	≤1.30	0.15±0.05
φ2.5	2.5±0.2	0.10±0.05	≤1.50	0.15±0.05
φ3.0	3.0±0.2	0.15±0.05	≤1.80	0.20±0.05
φ3.5	3.5±0.2	0.15±0.05	≤2.0	0.20±0.05
φ4.0	4.0±0.2	0.15±0.05	≤2.5	0.20±0.05
φ4.5	4.5±0.2	0.15±0.05	≤2.8	0.20±0.05
φ5.0	5.0±0.3	0.15±0.05	≤3.0	0.20±0.05
φ6.0	6.0±0.3	0.15±0.05	≤3.8	0.25±0.05
φ7.0	7.0±0.3	0.15±0.05	≤4.0	0.25±0.05
φ8.0	8.0±0.3	0.15±0.05	≤4.8	0.25±0.05
φ9.0	9.0±0.3	0.15±0.05	≤5.0	0.25±0.05

HSTT-4X

Size	I.D. before shrinking (mm)	Thickness before shrinking(±0.01) (mm)	I.D. after recovery(mm)
φ2.0	2.36(3/32")	0.12	0.50
φ3.0	3.17(1/8")	0.12	0.7
φ4.5	4.77(3/16")	0.12	1.2
φ6.0	6.35(1/4")	0.12	1.5