

PTFE Heat Shrinkable Tubing



Model Number: SBD-PTFE-HST

Working Temperature: -65°C ~ 260°C

Shrink temperature: > 350°C

Shrink ratio: 1.7:1 / 4:1

Structure

PTFE heat shrinkable tube is applied imported polytetrafluoroethylene (PTFE). PTFE heat shrinkable tube has excellent chemical resistance, heat resistance, weather and corrosion resistance. It possesses excellent rigid and transparent. RoHS and Reach compliant.

Usage

Widely used in electrical, computer, electro thermal, aerospace, military, and telecommunication etc. Such as Mini-transformer, special sensor, artificial blood vessel.

Specification

Melting	≥450°C
Dielectric Constant (*)50HZ	ASTM D 792, 2.1g/cm
Rigidity	85
Copper Corrosion	ASTM D2671 B, No Corrosion
Antibiotic Property, Erosion Resistance Property	Excellent
Toughness (Fold, Bend, Tear etc.)	Excellent
Tensile Strength MPA (KGF/cm)	IEC 811-1, 19Mpa
Flamability	ASTM D2671, Selfguinessh
Breakdown Strength	VDE 0303 part2, 26KV/mm
Appearance	Smooth, No Visible Fur and Defects, No Impurity
Elongation	IEC 811-1-1, 200%
Resistance	ASTM D2671 A, Wear Resistant, Anti-acid and Anti-virus, Corona Discharge, Solvent Resistance, etc
Environment	No Hazardous to Humans and Environment

Dimension

PTFE heat shrinkable tube specification (1.7:1)

Size(mm)	Before shrink	After shrink	Thin wall		Thick wall	
	Inside Diameter(mm)	Inside Diameter(mm)	Before shrink(mm)	After shrink(mm)	Before shrink(mm)	After shrink(mm)
Φ0.5	0.5±0.2	≤0.30	0.10±0.05	0.15±0.05	0.12±0.03	0.18±0.03
φ1.0	1.0±0.2	≤0.60	0.10±0.05	0.15±0.05	0.12±0.03	0.18±0.03
φ1.2	1.2±0.2	≤0.70	0.10±0.05	0.15±0.05	0.13±0.03	0.20±0.03
φ1.5	1.5±0.2	≤0.90	0.10±0.05	0.15±0.05	0.19±0.03	0.30±0.03
φ2.0	2.0±0.2	≤1.30	0.10±0.05	0.15±0.05	0.19±0.03	0.30±0.03
φ2.2	2.2±0.2	≤1.40	0.10±0.05	0.15±0.05	0.19±0.03	0.30±0.03
φ2.5	2.5±0.2	≤1.50	0.10±0.05	0.15±0.05	0.19±0.03	0.30±0.03
φ2.7	2.7±0.2	≤1.60	0.10±0.05	0.15±0.05	0.19±0.03	0.30±0.03
φ3.0	3.0±0.2	≤1.80	0.15±0.05	0.20±0.05	0.19±0.03	0.30±0.03
φ3.5	3.5±0.2	≤2.0	0.15±0.05	0.20±0.05	0.19±0.03	0.30±0.03
φ3.8	3.8±0.2	≤2.2	0.15±0.05	0.20±0.05	0.19±0.03	0.30±0.03
φ4.0	4.0±0.3	≤2.5	0.15±0.05	0.20±0.05	0.19±0.03	0.30±0.03
φ4.5	4.5±0.3	≤2.7	0.15±0.05	0.20±0.05	0.19±0.03	0.30±0.03
φ4.8	4.8±0.3	≤2.9	0.15±0.05	0.20±0.05	0.19±0.03	0.30±0.03
φ5.0	5.0±0.3	≤3.0	0.15±0.05	0.20±0.05	0.19±0.03	0.30±0.03
φ6.0	6.0±0.3	≤3.6	0.15±0.05	0.25±0.05	0.24±0.05	0.35±0.05
φ6.5	6.5±0.3	≤4.0	0.15±0.05	0.25±0.05	0.24±0.05	0.35±0.05
φ7.0	7.0±0.3	≤4.2	0.15±0.05	0.25±0.05	0.24±0.05	0.35±0.05
φ8.0	8.0±0.3	≤4.8	0.15±0.05	0.25±0.05	0.24±0.05	0.38±0.05
φ9.4	9.4±0.3	≤5.0	0.15±0.05	0.25±0.05	0.24±0.05	0.38±0.05
Φ10	10±0.3	≤5.8	0.15±0.05	0.25±0.05	0.24±0.05	0.38±0.05
Φ11	11±0.3	≤6.8	0.15±0.05	0.25±0.05	0.24±0.05	0.38±0.05
Φ12	12±0.3	≤7.1	0.20±0.05	0.35±0.05	0.24±0.05	0.38±0.05
Φ12.7	12.7±0.3	≤7.5	0.2±0.05	0.35±0.05	0.24±0.05	0.38±0.05

Standard color is transparent, other color can be customized.

PTFE heat shrinkable tube specification (4:1)

Size(mm)	Before Shrink(mm)	Before shrink(mm)	After shrink(mm)	After Shrink(mm)
	Inside diameter	Average Thin Wall	Inside diameter	Wall thickness
φ1.5	1.5±0.5	0.07±0.04	≤0.40	0.25±0.05
φ2.0	2.0±0.6	0.07±0.04	≤0.50	0.25±0.05
φ2.5	2.5±0.6	0.07±0.04	≤0.50	0.25±0.05
φ3.0	3.0±0.6	0.07±0.04	≤0.70	0.25±0.05
φ3.5	3.5±0.6	0.07±0.04	≤0.80	0.25±0.05
φ4.0	4.0±0.6	0.07±0.05	≤1.00	0.25±0.05
φ4.5	4.5±0.6	0.07±0.05	≤1.20	0.30±0.05
φ5.0	5.0±0.6	0.07±0.05	≤1.30	0.30±0.05
φ6.0	6.0±0.6	0.10±0.05	≤1.50	0.30±0.05
φ8.0	8.0±0.6	0.10±0.05	≤2.0	0.35±0.05
φ9.5	9.5±0.6	0.10±0.05	≤2.4	0.35±0.05

Standard color is transparent, other color can not be customized.