

PROWEST® **ideal choice**™

PROWEST CO., LTD.

Corporate Overview

The company produces a comprehensive range of heat shrinkable tubing in various kinds of colours and shrink ratio. They are to UL224/CSA approvals and all products are backed by our ISO 9001 Quality Systems. As Sony's Green Partner, our products not only can meet Sony environment substance requirements, but also ROHS compliance.

Our market share has dramatically increased both at home and abroad since the Year 2000, which has been contributed mainly by its product quality and reputation. Today, **PROWEST** enjoys a good reputation for exporting best quality heat shrinkable tubing to Europe, North America, Australia, and South East Asia.

“Sincerity, Practically, Innovation, Challenge and Perfection” are our corporate culture; providing better co-operation with mutual benefits and excellent customer services are our company goal; manufacturing safe, reliable and innovative new products are our management pursuits.

Changyuan products

Tubing

Product Name	General Description	Max. Operating Temperature	Potential Rating	Shrink ratio	Available Colors	Page
CB-HFT	Flexible, Flam-retardant, UL(125°C),VW-1 No.198.1 Fmark	125°C	600V	2:1	All colors except clear	3-4
CB-TW	Thin wall, flexible, flame-retardant, Fmark	125°C	300v	2:1	All colors except clear	5
CB-DWT	Flexible, Flam-retardant, Adhesive coated UL224, CSA No.198.1, Fmark	125°C	600V	2:1 3:1 4:1	All colors	6-8
CB-YGT	Flexible, Flam-retardant, UL(125°C),VW-1 No.198.1 Fmark	125°C	300V/600V	2:1	Yellow/green	9-10
CB-GSRT(3X)	Great shrink ratio UL224, CSA No.198.1	125°C	300V/600V	3:1	All colors	11
CB-HRT	Corrosion resistant, heat-resistant No.198.1 Fmark	150°C	300V/600V	2:1	All colors	12-13
CB-TT	PTFE UL Fmark	200°C	300V/600V	1:1	All colors	14-15
CB-300/ CB-600	PVC non-shrinkable	105°C	300V/600V	1:1	All colors	16-17
CB-PET	UL 224	130°C	600V	2:1	All colors	18
CB-101	General prupose Non-flame retardant	105°C	600V/300V	2:1	Clear	19-20
CB-301	Non-flame retardant	105°C	600V	2:1	All colors	21-22
CB-150	Flam-retardant	150°C	600V	2:1	Clear	23-24
CB-175	Flam-retardant	175°C	600V	2:1	Clear	25-26
CB-2000	Semi-rigid SAE-AMS-DTL-23053	125°C	600V	1.5:1	Black	27
CB-ULTHST	Ultea low temp heat-shrinkable	42°C	600V	1.5:1	All colors except Clear	28

CB-HFT HALOGEN FREE HEAT—SHRINKABLE TUBING

CB-HFT is a halogen-free low smok, flexible, flame retardant heat-shrinkable tubing. This tubing is free of Pb,Cd, Hg,Cr⁺⁶, PBB and PBDE.CB-HFT can be used in any enclosed area where a flame-retardant, halogen-free enviroment is requiredThe product is UL recognized and the file No is E180908, **All are F mark.**



Specifications

Item		Specifications
Shrink Temperature (°C)		90
Temperature Range (°C)		125
Radial Shrinking Ratio (%)		≥50
Longitudinal Change (%)		≤5
Tensile Strength (Mpa)		≥10.4
Ultimate Elongation (%)		≥200
Aging in Circulating-air Oven		158.0±1.0□, 168hrs
After aging	Tensile Strength (Mpa)	≥7.3
	Ultimate Elongation (%)	≥100
Volume Resistivity (Ω cm)		≥10 ¹⁴
Dielectric Strength (KV/mm)		≥15
Flammability		VW-1
Concentricity (%)		≥65

Size

Size	As Supplied (mm)		After Recovery (mm)	
	Inside Diameter	Wall-thickness	Inside Diameter	Wall-thickness
φ 0.8	1.3±0.2	0.15±0.05	≤0.45	0.28±0.05
φ 1.0	1.5±0.2	0.18±0.05	≤0.6	0.30±0.05
φ 1.5	2.0±0.2	0.18±0.05	≤0.8	0.32±0.05
φ 2.0	2.5±0.2	0.18±0.05	≤1.00	0.35±0.05
φ 2.5	3.0±0.2	0.20±0.05	≤1.25	0.38±0.05
φ 3.0	3.5±0.3	0.20±0.05	≤1.5	0.38±0.05
φ 3.5	4.0±0.3	0.20±0.05	≤1.75	0.38±0.05
φ 4.0	4.5±0.3	0.23±0.05	≤2.0	0.45±0.05
φ 4.5	4.8±0.3	0.23±0.05	≤2.25	0.45±0.05

φ 5.0	5.5±0.3	0.23±0.05	≤2.5	0.45±0.05
φ 6.0	6.5±0.4	0.25±0.05	≤3.0	0.50±0.05
φ 6.5	7.0±0.4	0.25±0.05	≤3.0	0.52±0.05
φ 7.0	7.5±0.4	0.30±0.08	≤3.5	0.60±0.05
φ 8.0	8.5±0.3	0.30±0.08	≤4.0	0.60±0.08
φ 9.0	9.5±0.4	0.30±0.08	≤4.5	0.60±0.08
φ 10	10.5±0.5	0.30±0.08	≤5.0	0.60±0.08
φ 11	11.5±0.5	0.30±0.08	≤5.5	0.60±0.08
φ 12	12.5±0.5	0.30±0.08	≤6.0	0.60±0.08
φ 13	13.5±0.5	0.36±0.12	≤6.5	0.65±0.12
φ 14	14.5±0.5	0.36±0.12	≤7.0	0.65±0.12
φ 15	15.5±0.5	0.36±0.12	≤7.5	0.65±0.12
φ 16	16.5±0.5	0.36±0.12	≤8.0	0.70±0.12
φ 17	17.5±0.5	0.36±0.12	≤8.5	0.70±0.12
φ 18	18.7±0.5	0.40±0.15	≤9.0	0.75±0.12
φ 20	20.6±0.6	0.40±0.15	≤10.0	0.80±0.12
φ 22	22.7±0.6	0.40±0.15	≤11.0	0.80±0.12
φ 25	25.5±0.7	0.45±0.15	≤12.5	0.90±0.12
φ 28	29.2±0.7	0.45±0.15	≤14.0	0.90±0.12
φ 30	31.0±0.7	0.45±0.15	≤15.0	0.90±0.12
φ 35	≥35	0.50±0.15	≤19	1.00±0.30
φ 40	≥40	0.50±0.15	≤21	1.00±0.30
φ 50	≥50	0.50±0.15	≤27	1.00±0.30
φ 55	≥55	0.50±0.15	≤28	1.00±0.30
φ 60	≥60	0.50±0.15	≤31	1.00±0.30

Size in Inch

SIZE (in inch)	As supplied in mm		After Recovery (mm)	
	MIN ID (in mm)	WALL (in mm)	MIN ID (in mm)	WALL (in mm)
3/64	1.2	0.18±0.05	≤0.6	0.30±0.05
1/16	1.6	0.18±0.05	≤0.8	0.32±0.05
3/32	2.4	0.18±0.05	≤1.00	0.35±0.05
1/8	3.2	0.20±0.05	≤1.5	0.38±0.05
3/16	4.8	0.23±0.05	≤2.0	0.45±0.05
1/4	6.4	0.25±0.05	≤3.0	0.50±0.05
3/8	9.5	0.30±0.08	≤4.5	0.60±0.08
1/2	12.7	0.30±0.08	≤6.0	0.60±0.08
3/4	19.1	0.40±0.12	≤10.0	0.75±0.12
1	25.4	0.45±0.12	≤12.5	0.90±0.12
1-1/4	31.8	0.45±0.12	≤15.0	0.90±0.12
1-1/2	38.1	0.50±0.15	≤21	1.00±0.30
2	50.8	0.50±0.15	≤27	1.00±0.30

Other sizes are available upon special order.

CB- TW CB- TW HEAT –SHRINKABLE TUBING

CB-TW tubing is a kind of thin-wall, flame-retardant polyolefin heat-shrinkable tubing and free of Pb,Cd, Hg,Cr⁺⁶, PBB and PBDE .The tubing are designed for the applications that require an ultra thin wall for rapid shrinking. The products are UL recognized at 125 , 300V. All are F mark.

Size

Size	As Supplied (mm)		After Recovery (mm)	
	Inside Diameter	Wall-thickness	Inside Diameter	Wall-thickness
φ 0.8	1.1±0.2	0.10±0.05	≤0.45	0.22±0.02
φ 1.0	1.5±0.3	0.10±0.05	≤0.6	0.22±0.05
φ 1.5	2.0±0.3	0.10±0.03	≤0.8	0.22±0.05
φ 2.0	2.5±0.3	0.10±0.05	≤1.0	0.22±0.05
φ 2.5	3.0±0.3	0.13±0.05	≤1.25	0.25±0.05
φ 3.0	3.5±0.4	0.13±0.05	≤1.5	0.28±0.05
φ 3.5	4.0±0.4	0.13±0.05	≤1.75	0.30±0.05
φ 4.0	4.5±0.4	0.15±0.05	≤2.0	0.32±0.05
φ 5.0	5.5±0.4	0.15±0.05	≤2.5	0.32±0.05
φ 6.0	6.5±0.4	0.15±0.05	≤3.0	0.32±0.05
φ 7.0	7.5±0.4	0.15±0.05	≤3.5	0.32±0.05
φ 8.0	8.5±0.5	0.15±0.05	≤4.0	0.32±0.05
φ 9.0	9.5±0.5	0.16±0.05	≤4.5	0.36±0.05
φ 10	10.5±0.5	0.16±0.05	≤5.0	0.36±0.05
φ 11	11.5±0.5	0.18±0.05	≤5.5	0.36±0.05
φ 12	12.5±0.5	0.18±0.05	≤6.0	0.36±0.05
φ 13	13.5±0.5	0.18±0.05	≤6.5	0.36±0.05
φ 14	14.5±0.5	0.18±0.05	≤7.0	0.36±0.05
φ 15	15.5±0.5	0.18±0.05	≤7.5	0.36±0.05

Size in Inch

SIZE (in inch)	As supplied in mm		After Recovery (mm)	
	MIN ID (in mm)	WALL (in mm)	MIN ID (in mm)	WALL (in mm)
3/64	1.2	0.10±0.05	≤0.6	0.22±0.03
1/16	1.6	0.10±0.05	≤0.75	0.22±0.03
3/32	2.4	0.10±0.05	≤1.0	0.22±0.05
1/8	3.2	0.13±0.05	≤1.5	0.25±0.05
3/16	4.8	0.15±0.05	≤2.5	0.32±0.05
1/4	6.4	0.15±0.05	≤3.0	0.32±0.05
3/8	9.5	0.16±0.05	≤4.5	0.36±0.05
1/2	12.7	0.18±0.05	≤6.0	0.36±0.05

CB-DWT DUAL-WALL HEAT—SHRINKABLE TUBING

CB-DWT is coated with adhesive and free of Pb,Cd, Hg,Cr⁺⁶, PBB and PBDE.CB-DWT are widely used in electrical applications, including water-proff and sealing.High expansion ratio makes it possible to repair most damaged cable jackets without removing connectors. **The product is UL recognized and the file No is E180908.**

All are F mark.



Specifications

Items		Specifications
Shrink Temperature(°C)		110
Operating Temperature Range(°C)		-55—125
Tensile Strength (Mpa)		≥10.4
Ultimate Elongation (%)		≥200
Radial shrinking ratio (%)		≥50
Longitudinal Change (%)		≤10
Aging in Circulating-air Oven		158.0±1.0□, 168hrs
After Aging	Tensile Strength (Mpa)	≥7.3
	Ultimate Elongation (%)	≥100
Dielectric Strength (kV/mm)		≥15.0
Volume Resistivity (Ω cm)		≥10 ¹³
Flammability		VW-1
Water Absorption (%)		Less than 0.4%
Fluid Resistance		Excellent
(Copper Corrosion)		(No Corrosion)
Softening Point (°C)		120±5
Tissue Strength (N/25mm)		>80

Specifications of Heat-shrinkable Dual-wall Tubing

a. CB_DWT (2X)

Size (IN)	As Supplied				After Recovery					
	Min ID		Nominal Wall Thickness		Max ID		Total Wall Thickness		Nominal Adhesive Wall	
	m m	IN	mm	IN	mm	IN	mm	IN	mm	IN
3/64	1.2	0.047	0.30	0.012	0.6	0.024	0.45±0.12	0.018±.005	0.20	0.008
1/16	1.6	0.062	0.30	0.012	0.8	0.031	0.45±0.12	0.018±.005	0.20	0.008
3/32	2.4	0.093	0.35	0.014	1.2	0.046	0.55±0.12	0.022±.005	0.30	0.012
1/8	3.2	0.125	0.4	0.016	1.60	0.062	0.60±0.15	0.027±.006	0.30	0.012
3/16	4.8	0.187	0.4	0.016	2.4	0.093	0.75±0.15	0.029±.006	0.35	0.014
1/4	6.4	0.250	0.4	0.016	3.20	0.125	0.75±0.15	0.029±.006	0.35	0.014
3/8	9.5	0.375	0.4	0.016	4.80	0.187	0.80±0.20	0.032±.008	0.35	0.014
1/2	12.7	0.500	0.4	0.016	6.40	0.250	0.80±0.20	0.032±.008	0.35	0.014
3/4	19.1	0.750	0.5	0.020	9.50	0.375	0.95±0.28	0.037±.011	0.40	0.017
1	25.4	1.000	0.5	0.020	12.7	0.500	1.15±0.28	0.045±.011	0.45	0.017
1 -1/2	38.1	1.500	0.65	0.025	19.00	0.750	1.25±0.41	0.049±.016	0.45	0.017
2	50.8	2.000	0.73	0.029	25.4	1.000	1.40±0.41	0.055±.016	0.50	0.019

b. CB-DWT (3X)

Size (IN)	As Supplied				After Recovery					
	Min ID		Nominal Wall Thickness		Max ID		Total Wall Thickness		Nominal Adhesive Wall	
	mm	IN	mm	IN	mm	IN	mm	IN	mm	IN
1/8	3	0.118	0.57	0.022	1	0.039	1.00±.28	0.039±.010	0.50	0.020
3/16	4.8	0.187	0.57	0.022	1.5	0.06	1.0±.28	0.039±.010	0.60	0.025
1/4	6	0.236	0.57	0.022	2	0.079	1.00±.28	0.039±.010	0.50	0.020
3/8	9	0.354	0.64	0.025	3	0.118	1.40±.28	0.055±.010	0.61	0.024
1/2	12	0.472	0.80	0.031	4	0.157	1.78±.38	0.070±.010	0.76	0.030
3/4	19	0.748	0.93	0.036	6	0.236	2.25±.55	0.088±.020	0.76	0.030
1	24	0.940	1.00	0.040	8	0.315	2.54±.55	0.100±.020	1.02	0.040
1 1/4	31.8	1.252	1.00	0.040	11	0.433	2.54±.55	0.100±.020	1.02	0.040
1 -1/2	38.1	1.570	1.00	0.040	13	0.512	2.54±.55	0.100±.020	1.02	0.040
2	50	1.890	1.00	0.040	17	0.669	2.54±.55	0.100±.020	1.02	0.040

c. CB-DWT (4X)

Size (IN)	As Supplied (Expanded)				After Recovery (Recovered)					
	Min ID		Nominal Wall Thickness		Max ID		Total Wall Thickness		Nominal Adhesive Wall	
	mm	IN	mm	IN	mm	IN	mm	IN	mm	IN
1/4	4	0.157	0.40	0.016	1	0.039	1.00±0.28	0.039±0.010	0.50	0.020
8/2	8	0.315	0.40	0.016	2	0.079	1.10±0.28	0.039±0.010	0.50	0.020
12/3	12	0.472	0.50	0.020	3	0.118	1.40±0.28	0.055±0.010	0.61	0.024
16/4	16	0.630	0.60	0.024	4	0.157	1.78±0.38	0.070±0.010	0.76	0.030
24/6	24	0.945	0.75	0.030	6	0.236	2.25±0.55	0.088±0.020	0.76	0.030
32/8	32	1.260	0.80	0.031	8	0.315	2.54±0.55	0.100±0.020	1.02	0.040
52/13	52	2.050	0.80	0.031	13	0.512	2.60±0.55	0.100±0.020	1.02	0.040

Specifications of Heat-shrinkable Dual-wall Tubing (Thin Wall)

CB-DWT-T (2X)

Size (IN)	As Supplied				After Recovery					
	Min ID		Nominal Wall Thickness		Max ID		Total Wall Thickness		Nominal Adhesive Wall	
	mm	IN	mm	IN	Mm	IN	mm	IN	mm	IN
3/64	1.2	0.047	0.22	0.008	0.6	0.024	0.35 ± .12	0.014 ± .005	0.15	0.006
1/16	1.6	0.062	0.22	0.008	0.8	0.031	0.35 ± .12	0.014 ± .005	0.15	0.006
3/32	2.4	0.093	0.28	0.011	1.2	0.046	0.45 ± .12	0.017 ± .005	0.20	0.008
1/8	3.2	0.125	0.30	0.012	1.60	0.062	0.50 ± .15	0.019 ± .006	0.20	0.008
3/16	4.8	0.187	0.30	0.012	2.4	0.093	0.50 ± .15	0.019 ± .006	0.20	0.008
1/4	6.4	0.250	0.35	0.014	3.20	0.125	0.65 ± .15	0.026 ± .006	0.20	0.008
3/8	9.5	0.375	0.35	0.014	4.80	0.187	0.65 ± .28	0.026 ± .011	0.25	0.010
1/2	12.7	0.500	0.35	0.014	6.40	0.250	0.65 ± .28	0.026 ± .011	0.25	0.010
3/4	19.1	0.750	0.40	0.016	9.50	0.375	0.75 ± .28	0.030 ± .011	0.25	0.010
1	25.4	1.000	0.40	0.016	12.7	0.500	0.77 ± .28	0.030 ± .011	0.30	0.012
1 -1/2	38.1	1.500	0.52	0.020	19.00	0.750	1.00 ± .41	0.040 ± .016	0.30	0.012
2	50.8	2.000	0.52	0.020	25.4	1.000	1.00 ± .41	0.040 ± .016	0.30	0.012

Other sizes are available upon special order.

CB-YGT YELLOW/GREEN STRIPED HEAT-SHRINKABLE TUBING

CB-YGT is a yellow and green striped heat-shrinkable tubing which is flexible, flame-retardant and resistant to common fluids and solvents. This tubing may be used in yellow and green wiring linkage and ground marking. This tubing is free of Pb, Cd, Hg, Cr⁺⁶, PBB and PBDE and UL approved. **All are F mark.**



Size

Size	As Supplied (mm)		After Recovery (mm)	
	Inside Diameter	Wall-thickness	Inside Diameter	Wall-thickness
φ 2.0	2.5±0.2	0.18±0.05	≤1.00	0.35±0.05
φ 2.5	3.0±0.2	0.20±0.05	≤1.25	0.38±0.05
φ 3.0	3.5±0.3	0.20±0.05	≤1.5	0.38±0.05
φ 3.5	4.0±0.3	0.20±0.05	≤1.75	0.38±0.05
φ 4.0	4.5±0.3	0.23±0.05	≤2.0	0.45±0.05
φ 4.5	4.8±0.3	0.23±0.05	≤2.25	0.45±0.05
φ 5.0	5.5±0.3	0.23±0.05	≤2.5	0.45±0.05
φ 6.0	6.5±0.4	0.25±0.05	≤3.0	0.50±0.05
φ 6.5	7.0±0.4	0.25±0.05	≤3.0	0.52±0.05
φ 7.0	7.5±0.4	0.30±0.08	≤3.5	0.60±0.05
φ 8.0	8.5±0.3	0.30±0.08	≤4.0	0.60±0.08
φ 9.0	9.5±0.4	0.30±0.08	≤4.5	0.60±0.08
φ 10	10.5±0.5	0.30±0.08	≤5.0	0.60±0.08
φ 11	11.5±0.5	0.30±0.08	≤5.5	0.60±0.08
φ 12	12.5±0.5	0.30±0.08	≤6.0	0.60±0.08
φ 13	13.5±0.5	0.36±0.12	≤6.5	0.65±0.12
φ 14	14.5±0.5	0.36±0.12	≤7.0	0.65±0.12
φ 15	15.5±0.5	0.36±0.12	≤7.5	0.65±0.12
φ 16	16.5±0.5	0.36±0.12	≤8.0	0.70±0.12
φ 17	17.5±0.5	0.36±0.12	≤8.5	0.70±0.12
φ 18	18.7±0.5	0.40±0.15	≤9.0	0.75±0.12
φ 20	20.6±0.6	0.40±0.15	≤10.0	0.80±0.12
φ 22	22.7±0.6	0.40±0.15	≤11.0	0.80±0.12
φ 25	25.5±0.7	0.45±0.15	≤12.5	0.90±0.12
φ 28	29.2±0.7	0.45±0.15	≤14.0	0.90±0.12
φ 30	31.0±0.7	0.45±0.15	≤15.0	0.90±0.12

Size in Inch

SIZE (in inch)	As supplied in mm		After Recovery (mm)	
	MIN ID (in mm)	WALL (in mm)	MIN ID (in mm)	WALL (in mm)
3/32	2.4	0.18±0.05	≤1.00	0.35±0.05
1/8	3.2	0.20±0.05	≤1.5	0.38±0.05
3/16	4.8	0.23±0.05	≤2.0	0.45±0.05
1/4	6.4	0.25±0.05	≤3.0	0.50±0.05
3/8	9.5	0.30±0.08	≤4.5	0.60±0.08
1/2	12.7	0.30±0.08	≤6.0	0.60±0.08
3/4	19.1	0.40±0.12	≤10.0	0.75±0.12
1	25.4	0.45±0.12	≤12.5	0.90±0.12
1 1/4	31.8	0.45±0.12	≤16	0.90±0.12

Other sizes are available upon special order.

CB-GSRT GREAT SHRINKING RATIO HEAT-SHRINKABLE TUBING

CB-GSRT tubes have the same property as CB-HFT tubing, besides its great shrink ratio. The tubing may be used for protection and marking of special shaped objects.

Specifications

Item		Specifications Requirements
Temperature Rating (□)		-55~125
Radial Shrinking Ratio (%)		≥50
Longitudinal Change (%)		≤15
Tensile Strength (Mpa)		≥10.4
Ultimate Elongation (%)		≥200
Aging in Circulating-air Oven		158.0±1.0□, 168hrs
After Aging	Tensile Strength (Mpa)	≥7.28
	Ultimate Elongation (%)	≥100
Volume Resistivity (Ω cm)		10 ¹⁴
Dielectric Strength (KV/mm)		≥15
Flammability		VW-1
Concentricity (%)		≥65

Size

Size (IN)	As Supplied (mm)		After Recovery (mm)	
	Min.Inside Diameter	Nominal Wall-thickness	Max.Inside Diameter	Wall-thickness
1/16	1.6	0.15	0.5	0.45
1/8	3.2	0.18	1.0	0.55
3/16	4.8	0.20	1.5	0.60
1/4	6.4	0.22	2.0	0.65
3/8	9.5	0.25	3.0	0.75
1/2	12.7	0.25	4.0	0.80
3/4	19.1	0.35	6.0	0.90
1	25.4	0.45	8.0	1.00
1 1/2	39.0	0.50	13.0	1.25

Other sizes are available upon special order.

CB-HRT HEAT-RESISTING HEAT – SHRINKABLE TUBING

CB-HRT is a heat-resisting polyolefin heat-shrinkable tubing which is flexible, insulation and resistant to common fluids and solvents. This tubing could be used for electrical insulation and strain relief of components that are exposed to high temperature. This tubing meets UL224 requirements.



Specifications

Item		Specifications
Shrink Temperature (°C)		120
Temperature Rating (°C)		150
Radial Shrinking Ratio (%)		≥50
Longitudinal Change (%)		≤5
Tensile Strength (Mpa)		≥10.4
Ultimate Elongation (%)		≥200
Aging in Circulating-air Oven		180.0±1.0□, 168hrs
After aging	Tensile Strength (Mpa)	≥7.3
	Ultimate Elongation (%)	≥100
Concentricity (%)		≥65
Volume Resistivity (Ω cm)		≥10 ¹⁴
Dielectric Strength (KV/mm)		≥15
Water Absorption (%)		<0.4
Copper Corrosion		No corrosion

Size

Size	As Supplied (mm)		After Recovery (mm)	
	Inside Diameter	Wall-thickness	Inside Diameter	Wall-thickness
φ 0.8	1.3±0.2	0.15±0.05	≤0.45	0.28±0.05
φ 1.0	1.5±0.2	0.18±0.05	≤0.6	0.30±0.05
φ 1.5	2.0±0.2	0.18±0.05	≤0.8	0.32±0.05

φ 2.0	2.5±0.2	0.18±0.05	≤1.00	0.35±0.05
φ 2.5	3.0±0.2	0.20±0.05	≤1.25	0.38±0.05
φ 3.0	3.5±0.3	0.20±0.05	≤1.5	0.38±0.05
φ 3.5	4.0±0.3	0.20±0.05	≤1.75	0.38±0.05
φ 4.0	4.5±0.3	0.23±0.05	≤2.0	0.45±0.05
φ 4.5	4.8±0.3	0.23±0.05	≤2.25	0.45±0.05
φ 5.0	5.5±0.3	0.23±0.05	≤2.5	0.45±0.05
φ 6.0	6.5±0.4	0.25±0.05	≤3.0	0.50±0.05
φ 6.5	7.0±0.4	0.25±0.05	≤3.0	0.52±0.05
φ 7.0	7.5±0.4	0.30±0.08	≤3.5	0.60±0.05
φ 8.0	8.5±0.3	0.30±0.08	≤4.0	0.60±0.08
φ 9.0	9.5±0.4	0.30±0.08	≤4.5	0.60±0.08
φ 10	10.5±0.5	0.30±0.08	≤5.0	0.60±0.08
φ 11	11.5±0.5	0.30±0.08	≤5.5	0.60±0.08
φ 12	12.5±0.5	0.30±0.08	≤6.0	0.60±0.08
φ 13	13.5±0.5	0.36±0.12	≤6.5	0.65±0.12
φ 14	14.5±0.5	0.36±0.12	≤7.0	0.65±0.12
φ 15	15.5±0.5	0.36±0.12	≤7.5	0.65±0.12
φ 16	16.5±0.5	0.36±0.12	≤8.0	0.70±0.12
φ 17	17.5±0.5	0.36±0.12	≤8.5	0.70±0.12
φ 18	18.7±0.5	0.40±0.15	≤9.0	0.75±0.12
φ 20	20.6±0.6	0.40±0.15	≤10.0	0.80±0.12
φ 22	22.7±0.6	0.40±0.15	≤11.0	0.80±0.12
φ 25	25.5±0.7	0.45±0.15	≤12.5	0.90±0.12
φ 28	29.2±0.7	0.45±0.15	≤14.0	0.90±0.12
φ 30	31.0±0.7	0.45±0.15	≤15.0	0.90±0.12
φ 35	≥35	0.50±0.15	≤19	1.00±0.30
φ 40	≥40	0.50±0.15	≤21	1.00±0.30
φ 50	≥50	0.50±0.15	≤27	1.00±0.30
φ 55	≥55	0.50±0.15	≤28	1.00±0.30

Size in Inch

SIZE (in inch)	As supplied in mm		After Recovery (mm)	
	MIN ID (in mm)	WALL (in mm)	MIN ID (in mm)	WALL (in mm)
3/64	1.2	0.18±0.05	≤0.6	0.30±0.05
1/16	1.6	0.18±0.05	≤0.8	0.32±0.05
3/32	2.4	0.18±0.05	≤1.00	0.35±0.05
1/8	3.2	0.20±0.05	≤1.5	0.38±0.05
3/16	4.8	0.23±0.05	≤2.0	0.45±0.05
1/4	6.4	0.25±0.05	≤3.0	0.50±0.05
3/8	9.5	0.30±0.08	≤4.5	0.60±0.08
1/2	12.7	0.30±0.08	≤6.0	0.60±0.08
3/4	19.1	0.40±0.12	≤10.0	0.75±0.12
1	25.4	0.45±0.12	≤12.5	0.90±0.12
1-1/4	31.8	0.45±0.12	≤15.0	0.90±0.12
1-1/2	38.1	0.50±0.15	≤21	1.00±0.30
2	50.8	0.50±0.15	≤27	1.00±0.30

CB-TT PTFE TUBING

CB-TT PTFE tubing is of high temperature (260°C) resistance, corrosion resistance, excellence insulation and mechanical strength properties. The tubing is being applied widely in industries of electrical, computer, chemical, high temperature areas, aerospace, military and transmission system etc, the product gained the UL recognition (File No: E180908). **All are F mark.**



Rated Voltage: 300V/600V

Testing Voltage: 2500V

Rated Temperature: -80~200

Specification

Item	Test Method	Unit	Specification Requirement
Specific Gravity	ASTM D792	g/cm ³	2.16
Tensile strength	ASTM D638	M Pa	24.5
Ultimate Elongation	ASTM D638	%	350
Flexural Modulus	ASTM D790	M Pa	490
Impact Strength	ASTM D256+23°C-54°C j/m		-No break- 107
Hardness	ASTM D2240	Shore D	55
Coefficient Of Dynamic Friction			0.1
Melting Point		°C	327
Service Temperature 20000h with 50% Retention Of Ultimate Elongation		°C	260
Flammability	UL-224		VW-1
Dielectric Constant At 10 ³ -10 ⁶ Hz	ASTM D150		2.1
Dissipation Factor At 10 ⁶ Hz	ASTM D150		0.0002
Arc Resistance	ASTMD495 (Stainless steel electrodes)	S	> 300
Volume Resistivity	ASTM D257	Ω cm	> 10 ¹⁸
Weather Resistance	“Weather-o-meter”(2000h)		No break
Solvent Resistance	ASTM D543		Excellent
Chemical Resistance	ASTM D543		Excellent

Size

PTFE Insulation Tubing						
Size	ID (mm)			OD (mm)		
AWG	MIN	NOR	MAX	S-TYPE	T-TYPE	L-TYPE
30	0.25	0.30	0.38	0.76	0.76	0.60
28	0.33	0.38	0.46	0.84	0.84	0.68
26	0.41	0.46	0.53	0.92	0.92	0.76
24	0.51	0.56	0.66	1.16	1.06	0.86
23	0.58	0.66	0.74	1.26	1.16	0.96
22	0.66	0.71	0.81	1.31	1.21	1.01
21	0.74	0.81	0.89	1.41	1.31	1.11
20	0.81	0.86	0.97	1.66	1.46	1.16
19	0.91	0.96	1.07	1.76	1.56	1.26
18	1.01	1.07	1.17	1.87	1.67	1.37
17	1.14	1.19	1.32	1.99	1.79	1.49
16	1.29	1.34	1.47	2.14	1.94	1.64
15	1.45	1.50	1.65	2.30	2.10	1.80
14	1.62	1.68	1.83	2.48	2.28	2.08
13	1.83	1.93	2.05	2.73	2.53	2.33
12	2.05	2.16	2.31	2.96	2.77	2.56
11	2.31	2.41	2.57	3.21	3.01	2.81
10	2.59	2.69	2.84	3.49	3.29	3.09
9	2.90	3.00	3.15	4.00	3.76	3.40
8	3.28	3.38	3.53	4.38	4.14	3.78
7	3.65	3.76	3.94	4.76	4.52	4.16
6	4.11	4.22	4.41	5.22	4.98	4.72
5	4.62	4.72	4.95	5.72	5.48	5.22
4	5.18	5.28	5.53	6.28	6.04	5.78
3	5.81	5.94	6.20	6.94	6.70	6.44
2	6.55	6.68	6.93	7.68	7.44	7.18
1	7.34	7.46	7.75	8.46	8.22	7.96
0	8.26	8.38	8.69	9.38	9.14	8.88

Other sizes are available upon special order.

CB-300/CB-600 PVC TUBING

PVC tubing is a flexible flame-retardant not heat-shrinkable tubing which has excellent electrical and physical performances, and outstanding acid fastness and corrosion resistivity. This tubing is suitable for insulation purpose of electronics, automobil, terminal lugs, small electrical parts, lead wires of toy motors and transformers etc. The product is UL recognition and the file No is E180908 for black, and E250610 for clear. **All are F mark.**



Specification

Item		Specifications
Temperature Rating (°C)		105
Longitudinal Change		≤ ±5%
Tensile Strength (MPa)		≥ 10.4
Ultimate Elongation (%)		≥ 100
Aging in Circulating-air Oven		136.0±1.0□, 168hrs
After aging	Tensile Strength (Mpa)	≥ 7.3
	Ultimate Elongation (%)	≥ 100
Potential Rating (V)		300V, 600V
Volume Resistivity (Ω cm)		≥ 10 ¹⁰
Dielectric Strength (V)		2500 (60s) ,No breakdown
Corrosion of Bare Copper		No corrosion
Heat Shock		No cracking
Cold Bend		No cracking

Size

AWG size	Inside diameter (mm)	Average Wall-thickness (mm)	
		For CB-300	For CB-600
5/8	16.0	0.85 ± 0.18	0.85 ± 0.18
9/16	14.3		
1/2	12.7	0.70 ± 0.15	0.70 ± 0.15
7/16	11.1		
3/8	9.53		
5/16	7.92		
0#	8.38		
1#	7.47	0.55 ± 0.1	
2#	6.68		
3#	5.94		
4#	5.28		
5#	4.72		
6#	4.22		
7#	3.87		
8#	3.38		
9#	3.00		
10#	2.69	0.45 ± 0.1	
11#	2.41		
12#	2.16		
13#	1.93		
14#	1.68		
15#	1.50		
16#	1.34		
17#	1.19		
18#	1.07		
19#	0.96		
20#	0.86		0.55 ± 0.1
21#	0.79		

Inside Diameter tolerance ±5%

Other sizes are available upon special order.

PET heat shrinkable tubing

PET tubing is free halogen and more friendly environment. It does not contain Pb,Hg,Cd and other heavy metal.

Specification

Inspected item	Unit	Requirement
Appearance	————	Without feculence
Bend (280mm)	mm	At or above size 8.0mm < 3.0 At or under size 10.0mm < 3.5
Density	Kg/L	1.3—1.4
Tensile strength	N/m ²	5.0*10 ⁷ ---10.0*10 ⁷
Ultimate elongation rate	%	200---350
Absorbation (water)	%	< 2.0%
Dielectronic strength	Kv/mm	> 80
Resistivity	Ω	> 10 ⁹
Volume resistivity	Ω .cm	> 10 ¹⁴
Operating temperature range	°C	-40°C — +130°C

Size	Width (mm)	Thickness (×0.01mm)	Shrink Ratio (%)	Lognitudinal ratio (%)	Lognitudinal ratio (180±2) °C × 15 min
φ 4	7.1±0.2	8.0±1.0	48±2	8±2	12±3
φ 5	9.1±0.2	8.0±1.0	48±2	8±2	12±3
φ 6	10.6±0.2	8.0±1.0	48±2	8±2	12±3
φ 6.3	11.0±0.2	8.0±1.0	48±2	8±2	12±3
φ 8	14.0±0.2	10.0±1.0	48±2	8±2	12±3
φ 10	17.0±0.2	10.0±1.0	48±2	8±2	12±3
φ 13	22.0±0.3	10.0±1.0	48±2	8±2	12±3
φ 14.8	25.0±0.3	10.5±1.5	48±2	8±2	12±3
φ 16	27.1±0.3	10.5±1.5	48±2	8±2	12±3
φ 18	3.02±0.3	10.5±1.5	48±2	8±2	12±3
φ 22	36.3±0.3	11.0±2.0	48±2	8±2	12±3
φ 25	41.3±0.3	11.0±2.0	48±2	8±2	12±3
φ 30	49.0±0.3	11.0±2.0	48±2	8±2	12±3
φ 35	56.6±0.3	11.0±2.0	48±2	8±2	12±3

Remark: any size from φ 4.0— φ 35.0 can be produced on customers' requirement.

CB-101 HEAT—SHRINKABLE TUBING

CHANGBAO-101 tubing is a highly flexible-polyolefin non-flame-retardant heat-shrinkable tubing which is available in many high glossy colors and in high clarity clear material. This tubing has low shrink temperature of 90°C. CHANGBAO -101 may be applied for marking, lighting, automobile antenna etc.



Specifications

Item	Specifications	
Shrink Temperature(°C)	90	
Operating Temperature Range(°C)	-55~105	
Radial Shrinking Ratio(%)	≥50	
Longitudinal Change(%)	≤±5	
Tensile Strength(MPa)	≥10.4	
Ultimate Elongation (%)	≥200	
Aging in Circulating-air Oven	136.0±1.0°C, 168hrs	
After Aging	Tensile Strength(MPa)	≥7.28
	Ultimate Elongation (%)	≥100
Volume Resistivity(Ω cm)	10 ¹⁴	
Dielectric Strength(KV/mm)	≥15	
Concentricity(%)	≥6	

Size

Size	As Supplied(mm)		After Recovery(mm)	
	Inside Diameter	Wall-thickness	Inside Diameter	Wall-thickness
φ 0.8	1.3±0.2	0.20±0.05	≤0.40	0.40±0.05
φ 1.0	1.5±0.2	0.20±0.05	≤0.55	0.40±0.05
φ 1.5	2.0±0.2	0.20±0.05	≤0.75	0.42±0.05
φ 2.0	2.5±0.2	0.20±0.05	≤1.0	0.44±0.05
φ 2.5	3.0±0.2	0.22±0.05	≤1.25	0.47±0.05
φ 3.0	3.5±0.2	0.25±0.05	≤1.5	0.50±0.05
φ 3.5	4.0±0.3	0.25±0.05	≤1.75	0.50±0.05
φ 4.0	4.5±0.3	0.25±0.05	≤2.0	0.50±0.05
φ 4.5	4.8±0.3	0.25±0.05	≤2.0	0.52±0.05
φ 5.0	5.5±0.3	0.25±0.05	≤2.5	0.52±0.05
φ 6.0	6.5±0.3	0.25±0.05	≤3.0	0.52±0.05
φ 6.5	6.8±0.3	0.30±0.05	≤3.0	0.60±0.05
φ 7.0	7.5±0.3	0.30±0.05	≤3.5	0.60±0.05
φ 8.0	8.5±0.3	0.36±0.08	≤4.0	0.70±0.08
φ 9.0	9.5±0.3	0.36±0.08	≤4.5	0.70±0.08
φ 10	10.5±0.4	0.36±0.08	≤5.0	0.70±0.08
φ 11	11.5±0.4	0.36±0.08	≤5.5	0.70±0.08
φ 12	12.5±0.4	0.36±0.08	≤6.0	0.70±0.08
φ 13	13.5±0.4	0.36±0.12	≤6.5	0.70±0.12
φ 14	14.5±0.4	0.36±0.12	≤7.0	0.70±0.12
φ 15	15.5±0.4	0.36±0.12	≤7.5	0.70±0.12
φ 16	16.5±0.4	0.36±0.12	≤8.0	0.72±0.12
φ 17	17.5±0.4	0.36±0.12	≤8.5	0.77±0.12
φ 18	18.7±0.5	0.40±0.12	≤9.0	0.77±0.12
φ 20	20.6±0.8	0.40±0.12	≤10.0	0.80±0.12
φ 22	22.7±0.8	0.46±0.12	≤11.0	0.90±0.12
φ 25	25.5±0.8	0.46±0.12	≤12.5	0.90±0.12
φ 28	29.2±0.8	0.46±0.12	≤14.0	0.90±0.12
φ 30	31.0±0.8	0.46±0.12	≤15.0	1.00±0.12
φ 35	≥35	0.50±0.15	≤19	1.00±0.30
φ 40	≥40	0.50±0.15	≤21	1.00±0.30
φ 50	≥50	0.50±0.15	≤27	1.00±0.30
φ 55	≥55	0.50±0.15	≤28	1.00±0.30
φ 60	≥60	0.50±0.15	≤31	1.00±0.30

CB-301 HEAT—SHRINKABLE TUBING

CHANGBAO-301 tubing is made from polyethylene which has brilliant resistant to common fluids, solvents, acids, alkalis and oils and excellent insulation. It may be used in field of electronics mobiles and aerospace etc, such as automobile oil pipes, refrigerator cooling pipe etc.



Specifications

Item	Specifications	
Shrink Temperature(°C)	120	
Operating Temperature Range(°C)	-55~105	
Radial Shrinking Ratio(%)	≥ 50	
Longitudinal Change(%)	$\leq \pm 5$	
Tensile Strength(MPa)	≥ 10.4	
Ultigation Elongation(%)	≥ 200	
Aging in Circulating-air Oven	136.0 \pm 1.0°C, 168hrs	
After Aging	Tensile Strength(MPa)	≥ 7.28
	Ultimate Elongation(%)	≥ 100
Volume Resistivity(Ω cm)	$\geq 10^{15}$	
Dielectric Strength(KV/mm)	≥ 25	
Concentricity(%)	≥ 6	

Size

Size	As Supplied (mm)		After Recovery(mm)	
	Inside Diameter	Wall-thickness	Inside Diameter	Wall-thickness
φ 1.5	2.0±0.2	0.20±0.05	≤0.75	0.42±0.05
φ 2.0	2.5±0.2	0.20±0.05	≤1.0	0.44±0.05
φ 2.5	3.0±0.2	0.22±0.05	≤1.25	0.47±0.05
φ 3.0	3.5±0.2	0.25±0.05	≤1.5	0.50±0.05
φ 3.5	4.0±0.3	0.25±0.05	≤1.75	0.50±0.05
φ 4.0	4.5±0.3	0.25±0.05	≤2.0	0.50±0.05
φ 4.5	4.8±0.3	0.25±0.05	≤2.0	0.52±0.05
φ 5.0	5.5±0.3	0.25±0.05	≤2.5	0.52±0.05
φ 6.0	6.5±0.3	0.25±0.05	≤3.0	0.52±0.05
φ 6.5	6.8±0.3	0.30±0.05	≤3.0	0.60±0.05
φ 7.0	7.5±0.3	0.30±0.05	≤3.5	0.60±0.05
φ 7.0T	7.5±0.3	0.40±0.05	≤3.5	0.80±0.05
φ 8.0	8.5±0.3	0.36±0.08	≤4.0	0.70±0.08
φ 9.0	9.5±0.3	0.36±0.08	≤4.5	0.70±0.08
φ 9.0T	9.5±0.3	0.40±0.08	≤4.5	0.80±0.08
φ 10	10.5±0.4	0.36±0.08	≤5.0	0.70±0.08
φ 11	11.5±0.4	0.36±0.08	≤5.5	0.70±0.08
φ 12	12.5±0.4	0.36±0.08	≤6.0	0.70±0.08
φ 13	13.5±0.4	0.36±0.12	≤6.5	0.70±0.12
φ 14	14.5±0.4	0.36±0.12	≤7.0	0.70±0.12
φ 15	15.5±0.4	0.36±0.12	≤7.5	0.70±0.12
φ 16	16.5±0.4	0.36±0.12	≤8.0	0.72±0.12
φ 17	17.5±0.4	0.36±0.12	≤8.5	0.77±0.12
φ 18	18.7±0.5	0.40±0.12	≤9.0	0.77±0.12
φ 20	20.6±0.8	0.40±0.12	≤10.0	0.80±0.12
φ 22	22.7±0.8	0.46±0.12	≤11.0	0.90±0.12
φ 25	25.5±0.8	0.46±0.12	≤12.5	0.90±0.12
φ 28	29.2±0.8	0.46±0.12	≤14.0	0.90±0.12
φ 30	31.0±0.8	0.46±0.12	≤15.0	1.00±0.12

"T"-Products with special thickness.

Other sizes are available upon special order.

CB-150

Cross-linked, flame-retardant polyvinylidene fluoride heat-shrinkable tubing

Features & Benefits:

- 1) Flex
- 2) Clear
- 3) Thin Wa ll
- 4) Flame-retardant
- 5) Excellent oil and chemical resistance



Applications:

Especially suitable for applications abrasion resistance and cut-through resistance, or superior chemical and solvent properties performance . Provides electrical insulation and strain relief of multipin connectors and solder joints. Ideal for applications that require dense packing of components or visual inspection of covered components.

Technical Data:

Proprty	Test Method	Unit	Typical Data
Specific Gravity	ASTM D792	g/cm ³	1.78
Tensile strength	ASTM D2671	M Pa	min30
Elongation at break	ASTM D2671	%	min150
After Aging Elongation	225°C,168h	%	min100
Heat Shock	275°C,4h	-	-No Cracking-
Cold Bend	-55°C,4h	-	-No Cracking-
Dielectric Strength	ASTM D2671	kV/mm	min15.7
Volume Resistivity	ASTM D257	Ω .cm	min10 ¹³
Flammability Rating	UL-224	VW-1	pass

Special installation instructions:

full recovery temperature: 150°C



Product Dimensions

Size	Inside Diameter		Recovered Wall Thickness** After Heating
	Minimum Expanded as Supplied	Maximum Recovered After Heating	
3/64	1.2 [0.046]	0.6 [0.023]	0.25 ± 0.05 [0.010 ± 0.002]
1/16	1.6 [0.063]	0.8 [0.031]	0.25 ± 0.05 [0.010 ± 0.002]
3/32	2.4 [0.093]	1.2 [0.046]	0.25 ± 0.05 [0.010 ± 0.002]
1/8	3.2 [0.125]	1.6 [0.062]	0.25 ± 0.05 [0.010 ± 0.002]
3/16	4.8 [0.187]	2.4 [0.093]	0.25 ± 0.05 [0.010 ± 0.002]
1/4	6.4 [0.250]	3.2 [0.125]	0.33 ± 0.05 [0.013 ± 0.002]
3/8	9.5 [0.375]	4.8 [0.187]	0.33 ± 0.05 [0.013 ± 0.002]
1/2	12.7 [0.500]	6.4 [0.250]	0.33 ± 0.05 [0.013 ± 0.002]
4/3	19.1 [0.750]	9.5 [0.375]	0.43 ± 0.08 [0.017 ± 0.003]
1	25.4 [1.000]	12.7 [0.500]	0.48 ± 0.08 [0.019 ± 0.003]

**Wall thickness will be less if tubing recovery is restricted during shrinkage.

Standard Color: Clear (Natural)

*Other Color and sizes are available subject to special order

CB-175

Cross-linked, semi-rigid, flame-retardant polyvinylidene fluoride heat-shrinkable tubing

Features & Benefits:

- 1) Flame-retardant
- 2) Clear
- 3) Thin Wall
- 4) Semi-rigid
- 5) Excellent oil and chemical resistance



Applications:

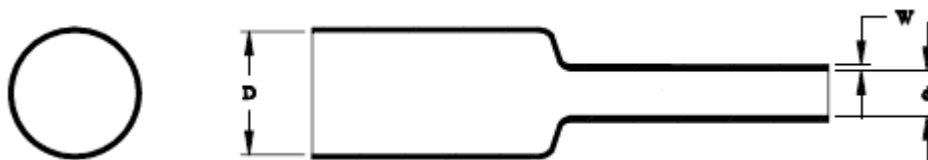
Especially suitable for applications requiring high temperature performance, outstanding abrasion resistance and cut-through resistance, or superior chemical and solvent properties. Provides electrical insulation and strain relief of multipin connectors and solder joints. Ideal for applications that require dense packing of components or visual inspection of covered components.

Technical Data:

Property	Test Method	Unit	Typical Data
Specific Gravity	ASTM D792	g/cm ³	1.78
Tensile strength	ASTM D2671	MPa	min34.5
Elongation at break	ASTM D2671	%	min150
After Aging Elongation	250°C,168h	%	min50
Heat Shock	300°C,4h	-	-No Cracking-
Cold Bend	-55°C,4h	-	-No Cracking-
Dielectric Strength	ASTM D2671	kV/mm	min30
Volume Resistivity	ASTM D257	Ω .cm	min10 ¹³
Flammability Rating	UL-224	VW-1	pass

Special installation instructions:

Minimum full recovery temperature: 175°C [347°F]



Product Dimensions

Size	Inside Diameter		Recovered Wall Thickness** After Heating
	Minimum Expanded as Supplied	Maximum Recovered After Heating	
3/64	1.2 [0.046]	0.6 [0.023]	0.25 ± 0.05 [0.010 ± 0.002]
1/16	1.6 [0.063]	0.8 [0.031]	0.25 ± 0.05 [0.010 ± 0.002]
3/32	2.4 [0.093]	1.2 [0.046]	0.25 ± 0.05 [0.010 ± 0.002]
1/8	3.2 [0.125]	1.6 [0.062]	0.25 ± 0.05 [0.010 ± 0.002]
3/16	4.8 [0.187]	2.4 [0.093]	0.25 ± 0.05 [0.010 ± 0.002]
1/4	6.4 [0.250]	3.2 [0.125]	0.33 ± 0.05 [0.013 ± 0.002]
3/8	9.5 [0.375]	4.8 [0.187]	0.33 ± 0.05 [0.013 ± 0.002]
1/2	12.7 [0.500]	6.4 [0.250]	0.33 ± 0.05 [0.013 ± 0.002]
4/3	19.1 [0.750]	9.5 [0.375]	0.43 ± 0.08 [0.017 ± 0.003]
1	25.4 [1.000]	12.7 [0.500]	0.48 ± 0.08 [0.019 ± 0.003]
1 1/2	38.1 [1.500]	19.1 [0.750]	0.48 ± 0.08 [0.019 ± 0.003]

**Wall thickness will be less if tubing recovery is restricted during shrinkage.

Standard Color: Clear (Natural)

*Other Color and sizes are available subject to special order

CB-2000

DUAL-WALL TUBING FOR AUTOMOTIVE METAL PIPE

Specially designed for use on industry standard metal pipes to provide protection for automotive metal pipes and fuel lines. This product is positioned on straight pipe lengths prior to the second end-nut fitting. This product can effectively protect the automotive metal pipes and fuel lines against any kinds of damages caused by friction, corrosion, and improves the safety of automotive.

FEATURES

- 1) Good oil resistance
- 2) Meets: SAE-AMS-DTL-23053
- 3) Operating temperature range: -40-125°C
- 4) Minimum full recovery temperature: 110°C

SPECIFICATION

Property	Test Method	Standard	Typical Value
Longitudinal shrinkage		0-10%	-2%
Eccentricity	ASTM D 2671	20%	10%
Tensile strength	ASTM D 2671	12PM(mm)	14PM
Elongation break	ASTM D 2671	400%	460%
Aging in Circulating-air Oven	158.0±1.0%, 168hrs		
After ag	Tensile Strength (Mpa)	12PM(mm)	13PM
	Ultimate Elongation (%)	270%	410%
Deformation resistance		50%(min)	82%
Impact resistance		No cracking at -35°C	No cracking
Drop impact resistance	ASTM D 746	No cracking	No cracking
Cold resistance	ASTM D 746 after 1hrs, at -35°C	No cracking	No cracking
Stress cracking resistance	ASTM S 1693 50°C, 24HRS	No cracking	No cracking
Fluid resistance	ASTM D 2671	No cracking after 72h at 25 for Sulphuric acid (1.28 S.G0)	No cracking
		Sodium hydroxide (0.1N)	
		Moor vehicle	
		Unleaded petrol	

Size

Standard Pipe Diameter (mm)	Inside Diameter	Wall thickness	Ordering description
	As supplied in mm	After recovery (mm)	
3.50	5.0	1.0	CB2000-5
4.76	6.0	1.0	CB2000-6
6.35	8.0	1.0	CB2000-8
8.00	10.0	1.0	CB2000-10
10.00	15.0	1.0	CB2000-15
4.85	14.0	1.0	CB2000-14

CB-UL
THSTULTRA LOW TEMPERATURE FLEXIBLE RUBBER
TUBING

CB-UL THST tubing is manufactured with radiation cross-linked rubber. The specially materials make the tubing very flexible and shrink at very low temperature(the minimum shrink temperature is 32°C). It is suitable for using on or near delicate temperature-sensitive materials or in special environments.

- 1) Temperature Rating: 65°C
- 2) Minimum shrink temperature: 32°C
- 3) Minimum fully recovery shrink temperature: 42°C
- 4) Shrink rate: 1.5:1

Technical data

Property	Test Method	Typical Date
Tensile strength	ASTM D 2671	>10.5 Mpa
Elongation at break	ASTM D 2671	>200%

Product Dimensions(mm/inch)

Size (mm)	As supplied ID Minimum (mm)	After recovered	
		ID maximum (mm)	Nom. Wll thickness (mm)
3/4	19.1	12.7	1.0

- The basic color is Black, the other color except clear are also available.
- The sepecil size is available on the requirement.

<http://prowest.ua>
<http://prowest.ws>