



CPX 51

Specially formulated, Medical Grade Heat Shrink Tubing

Features

- Resistant to common fluids and solvents
- Flexible
- Meets Medical USP Class VI Plastic requirements for Acute Systemic Toxicity, Intracutaneous Toxicity, and Implantation Testing
- Continuous operating temperatures: -55°C to 105°C
- Shrink temperature: 120°C





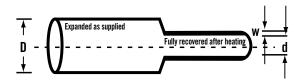
Technical Data

Physical

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Property	Test Method	Typical Performance
Tensile Strength	ASTM D2671, ISO 37	2700 psi (19.0 MPa)
Elongation	ASTM D2671, ISO 37	450%
Longitudinal Change	ASTM D2671	+/-10%
2% Secant Modulus	ASTM D2671	50,000 psi (102MPa)
Specific Gravity	ASTM D792	1.1
Heat Shock (4hrs at 200°C)	ASTM D2671	No dripping, cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking or splitting
Flammability	ASTM D2671	Not Flame Retardant
Electrical		
Dielectric Strength	ASTM D2671, IEC 243	500V/Mil (20kV/mm)
Volume Resistivity	ASTM D2671	10 ¹⁶ ohm-cm
Chemical		
Fluid Resistance	MIL-DTL-23053/5 ISO 1817, ISO 37	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.1%
Fungus Resistance	ASTM G21	No Growth

Dimensions

		EXPA	NDED		RECO'	VERED			
ORDER I METRIC	REF. NO. IMPERIAL	INTERNAL (M			DIAMETER AX)		HICKNESS OM)	STAN LENG	
XXXX	YYYY	mm [) IN	mm	d IN	mm	w IN	AA m	BB FT
0012	0047	1.2	3/64	0.6	3/128	0.45	0.018	150	1000
0016	0063	1.6	1/16	0.8	1/32	0.45	0.018	150	1000
0024	0094	2.4	3/32	1.2	3/64	0.51	0.020	150	1000
0032	0125	3.2	1/8	1.6	1/16	0.51	0.020	150	1000
0048	0187	4.8	3/16	2.4	3/32	0.51	0.020	75	1000
0064	0250	6.4	1/4	3.2	1/8	0.64	0.025	75	500
0095	0375	9.5	3/8	4.8	3/16	0.64	0.025	75	200
0127	0500	12.7	1/2	6.4	1/4	0.64	0.025	75	200
0160	0625	16.0	5/8	8.0	5/16	0.64	0.025	75	200
0190	0750	19.0	3/4	9.5	3/8	0.76	0.030	75	100
0254	1000	25.4	1	12.7	1/2	0.89	0.035	30	100
0320	1250	32.0	1 1/4	16.0	5/8	0.89	0.035	30	100
0381	1500	38.1	1 1/2	19.0	3/4	1.02	0.040	30	100
0508	2000	50.8	2	25.4	1	1.14	0.045	30	100
0762	3000	76.2	3	38.1	1 1/2	1.27	0.050	15	100
1016	4000	101.6	4	50.8	2	1.40	0.055	15	100



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CANUSA-EMI is a global company providing electrical and mechanical insulation solutions for a variety of industries and applications. Starting from products created by extensive developmental research at Shaw Industries (incorporated 1955), CANUSA-EMI is a recognized world leader in the provisioning of high quality heat shrink products.

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Ordering

To Order in Metric Units:

To Order in Imperial Units:

Standard Colors (CC)

Order Code	Color
BK	BLACK
BE	BLUE

•	-
Unprinted	00
Printed	01

Options (00)

Lengths: Supplied on continuous reels. Check with Customer Service for availability of sizes 3/4" and larger.

Standards: USP Class VI Plastic

Note: Non-standard colors, sizes and lengths available subject to factory quotation.

^{*} For additional colors please see price list.