

## SEMI-RIGID POLYOLEFIN 2 : 1 Shrink Ratio

**UL/CSA Recognized 125°C and 600V (VW-1)**



**RoHS Compliant**

### TYPICAL FEATURES

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| <p>1) SUMITUBE B8 is a semi-rigid, flame retarded, polyolefin heat-shrinkable tubing that is recognized by Underwriters' Laboratories (UL) under Subject 224 as VW-1 rated and Canadian Standards Association (CSA) 125° C.</p> <p>2) SUMITUBE B8 has excellent flame retardant properties (UL VW-1), and is tough and abrasion resistant in mechanical environments.</p> <p>3) Shrink temperature is 130°C.</p> | <p>4) Operating temperature range is -55°C to +135°C.</p> <p>5) SUMITUBE B8 is especially recommended for applications where strain relief of components is important. Because of the rigidity of B8, soldered connections and splicing areas are good examples for use of this product.</p> |
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### STANDARD SIZES

SIZE	INSIDE DIAMETER AS SUPPLIED (MIN)		INSIDE DIAMETER AFTER RECOVERY (MAX)		WALL THICKNESS AFTER RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
3/64	.046	1.2	.023	0.6	.020	0.51
1/16	.063	1.6	.031	0.8	.020	0.51
3/32	.093	2.4	.046	1.2	.020	0.51
1/8	.125	3.2	.062	1.6	.020	0.51
3/16	.187	4.8	.093	2.4	.025	0.64
1/4	.250	6.4	.125	3.2	.025	0.64
3/8	.375	9.5	.187	4.8	.030	0.76
1/2	.500	12.7	.250	6.4	.030	0.76
3/4	.750	19.1	.375	9.5	.030	0.76
1	1.000	25.4	.500	12.7	.035	0.89

**Standard Colors:** Black and White

**Standard Package:** 4 feet (4')

**How to Order:** (Type of material) (Size) (Color) (Packaging)

**Example:** B8 1/4 Black 4'

## B8 SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
<b>Physical:</b> Tensile strength (psi) Elongation (%) Specific gravity Heat shock (250°C, 4 hrs.) Heat resistance (175°C, 168 hrs.) Elongation (%) Secant modulus (psi) Deformation (125°C, 1 hr.) (%) Longitudinal change (%)	ASTM D 638 ASTM D 638 ASTM D 792 AMS-DTL-23053  ASTM D 638 ASTM D 882 UL 224 AMS-DTL-23053	2000 min. 200 min. 1.35 max. no cracking  100 min. 25000 50 max. ±5
<b>Electrical:</b> Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D 876 ASTM D 876	500 min. 1.0 X 10 <sup>14</sup> min.
<b>Chemical:</b> Corrosion (175° C, 16 hrs.) Copper stability (158° C, 168 hrs.) Elongation (%) Water absorption (%) Fluid resistance (23° C, 24 hrs.) Tensile strength (psi) Flammability Shrink temperature, nominal	AMS-DTL-23053  UL 224 ASTM D 570  AMS-DTL-23053 UL-224 VW-1	no corrosion  100 min. 0.5 max.  1000 min. Pass 130° C

**Specification reference:** UL-224 125° C, 600V, VW-1  
 File E48762 YDPU2, Cat. No. SUMITUBE B8 or 838  
 CSA C-22.2 No. 198-M1982, 125° C, 600V  
 File LR 33298 Guide 400-U-9

**Marking:** SUMITUBE B8 is surface printed with recognized UL and CSA marking.

 **SUMITOMO ELECTRIC**  
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