

# SUMITUBE® W3C

## DUAL WALL FLEXIBLE CLEAR POLYOLEFIN WITH THICK WALL ADHESIVE 3 : 1 Shrink Ratio

 **RoHS Compliant**
 **Lead-Free**
 **Halogen-Free**

### TYPICAL FEATURES

- 1) SUMITUBE W3C is a flexible, clear polyolefin heat-shrinkable tubing with a thick inner wall of modified polyamide adhesive which melts and flows, encapsulating and sealing components contained within.
- 2) Shrink temperature is 115° C.
- 3) Operating temperature range is -55° C to +105° C.
- 4) SUMITUBE W3C is recommended in applications requiring moisture protection or waterproofing of wire harnessing and connector components where visual inspection is of importance.

### STANDARD SIZES

SIZE	INSIDE DIAMETER AS SUPPLIED (MIN)		INSIDE DIAMETER AFTER RECOVERY (MAX)		WALL THICKNESS AFTER RECOVERY (NOM)	
	INCH	(MM)	INCH	(MM)	INCH	(MM)
1/8	.125	3.2	.023	0.6	.038	0.96
3/16	.187	4.8	.059	1.5	.043	1.09
1/4	.250	6.4	.078	2.0	.047	1.19
3/8	.375	9.5	.118	3.0	.050	1.27
1/2	.500	12.7	.157	4.0	.055	1.39
3/4	.750	19.0	.315	8.0	.065	1.65
1	1.000	25.4	.400	10.2	.075	1.90

**Standard Colors:** Clear only  
**Standard Package:** 4 feet (4')  
**How to Order:** (Type of material) (Size) (Color) (Packaging)  
**Example:** W3C 1/4 Clear 4'

# W3C SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
<b>Physical:</b> Tensile strength (psi) Elongation (%) Cold impact (-55°C) Heat shock (250°C 4 hrs.) Longitudinal change (%) Secant Modulus (psi)	ASTM D 638 ASTM D 638 ASTM D 746 AMS-DTL-23053 AMS-DTL-23053 AMS-DTL-23053	1500 min. 200 min. no cracking no cracking +5, -15 2.5 x 10 <sup>4</sup> min.
<b>Electrical:</b> Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D 876 ASTM D 876	500 MIN. 1.0 X 10 <sup>15</sup> MIN.
<b>Chemical:</b> Corrosion (121°C, 16 Hrs.) Water absorption (%) Fluid resistance (23°C, 24 Hrs.) Tensile strength (psi) Flammability Shrink temperature, nominal	AMS-DTL-23053 ASTM D570  AMS-DTL-23053	No corrosion 0.5 MAX.  900 MIN. N/A 115° C



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