

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
Physical: 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 ⁴ min.
Electrical: Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D 876 ASTM D 876	500 MIN. 1.0 X 10 ¹⁵ MIN.
Chemical: 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

AEROSPACE AND DEFENCE AUSTRALIA

No.14/18 Blanck Street
 Motorway Business Park
 Ormeau QLD Australia 4208
 Tel (07) 5549 0077
 Fax (07) 5549 0088
www.aerodefence.com.au



Rev. 3/1/07