

# SUMITUBE® O2C

## FLEXIBLE CLEAR POLYOLEFIN WITH ADHESIVE LINER 2 : 1 Shrink Ratio

RoHS Compliant
  Lead-Free
  Halogen-Free

### TYPICAL FEATURES

- 1) SUMITUBE O2C is a flexible, clear heat shrinkable polyolefin tubing with a modified polyamide adhesive inner wall that melts and flows to seal components within.
- 2) Shrink temperature is 115° C.
- 3) Operating temperature range is -55° C to +105° C.
- 4) SUMITUBE O2C is recommended for applications in environmental conditions that require sealing against moisture, and where visual inspection of the substrate is important. O2C is not flame retarded.

### 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	.062	1.6	.026	0.70
3/16	.187	4.8	.093	2.4	.026	0.70
1/4	.250	6.4	.125	3.2	.030	0.75
3/8	.375	9.5	.187	4.8	.030	0.75
1/2	.500	12.7	.250	6.4	.030	0.75
3/4	.750	19.1	.375	9.5	.035	0.90
1	1.000	25.4	.500	12.7	.042	1.10

**Standard Colors:** Clear only  
**Standard Package:** 4 feet (4')  
**How to Order:** (Type of material) (Size) (Color) (Packaging)  
**Example:** O2C 1/4 Clear 4'

# O2C SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
<b>Physical:</b> Tensile strength (psi) Elongation (%) Cold impact (-55° C) Heat shock (250° C 4 Hrs.) Secant modulus (psi) Longitudinal change (%)	ASTM D 638 ASTM D 638 ASTM D746 AMS-DTL-23053 ASTM D882 AMS-DTL-23053	1500 MIN. 200 MIN. No cracking No cracking 2.5 X 10 <sup>4</sup> MAX. +5, -15
<b>Electrical:</b> Dielectrical strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D 876 ASTM D 876	500 MIN. 1.0 X 10 <sup>15</sup>
<b>Chemical:</b> Corrosion (121° C, 16 Hrs.) Water absorption (%) Fluid resistance (23° C, 24 Hrs.) Tensile strength (psi) Shrink temperature, nominal	AMS-DTL-23053 ASTM D570  AMS-DTL-23053	No corrosion 0.5 MAX.  1000 MIN. 115° C



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