

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
Physical: 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 ⁴ MAX. +5, -15
Electrical: Dielectrical strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D 876 ASTM D 876	500 MIN. 1.0 X 10 ¹⁵
Chemical: 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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