

SUMITUBE® O2C

FLEXIBLE CLEAR POLYOLEFIN WITH ADHESIVE LINER 2 : 1 Shrink Ratio

RoHS/RoHS2 Compliant
 Lead-Free
 Halogen-Free

TYPICAL FEATURES

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| <p>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.</p> <p>2) Shrink temperature is 115° C.</p> <p>3) Operating temperature range is -55° C to +105° C.</p> | <p>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.</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)
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 Heavy metals content (Cd, Sb, Pb, As, Hg)	AMS-DTL-23053 ASTM D570 AMS-DTL-23053 USEPA 3052 / ICP-MS	No corrosion 0.5 MAX. 1000 MIN. 115° C <1 ppm
Other: Biocompatibility tests for plastics	USP Class VI	PASS



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