

SUMITUBE® O2B2

FLEXIBLE POLYOLEFIN WITH ADHESIVE LINER

TYPICAL FEATURES

- 1) SUMITUBE O2B2 is a flexible, flame-retardant polyolefin heat-shrinkable tubing with a modified polyamide adhesive inner wall which melts and flows, sealing components contained within.
- 2) SUMITUBE O2B2 complies with the requirements of MIL-DTL-23053/4D, Class 2.
- 3) Shrink temperature is 110°C.
- 4) Operating temperature range is -55°C to +110°C.
- 5) SUMITUBE O2B2 is recommended for applications in environmental conditions which require sealing against moisture and water or other contaminants.

STANDARD SIZES

NOMINAL 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: Black, White

Standard Package: 4 feet (4')

How to Order: (Type of material)

(Size)

(Color)

(Packaging)

Example: O2B2

1/4

Black

4'



SUMITOMO ELECTRIC



O2B2 SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
Physical: Tensile strength (psi) Elongation (%) Cold impact (-55° C, 4 hrs.) Heat shock (250° C, 4 hrs.) Secant modulus (psi) Longitudinal change (%)	ASTM D638 ASTM D638 ASTM D746 MIL-DTL-23053 ASTM D882 MIL-DTL-23053	1500 min. 200 min. no cracking. no cracking 2.5 X 10 ⁴ max. +5, -15
Electrical: Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D876 ASTM D876	500 min. 1.0 X 10 ¹⁴ min.
Chemical: Corrosion Water absorption (%) Fluid resistance (23° C, 24 hrs.) Tensile strength (psi) Flammability Shrink temperature, nominal	UL 224 ASTM D570 MIL-DTL-23053 UL 224	no corrosion 0.5 max. 1000 min. Pass 110° C

Specification reference:

UL 224, 125° C, 600V
 File E75077 YDTU2, Cat. No. SUMITUBE 02B2 or 841
 MIL-DTL-23053/4D, Class 2 except longitudinal change