

FLEXIBLE POLYOLEFIN WITH ADHESIVE LINER CONTINUOUS LENGTHS ON SPOOLS 2 : 1 Shrink Ratio

 **RoHS Compliant**

TYPICAL FEATURES	
<ol style="list-style-type: none"> 1. SUMITUBE O2B2S is a flexible, flame-retarded polyolefin heat-shrinkable tubing with a modified polyamide adhesive inner wall which melts and flows, sealing components contained within. 2. SUMITUBE O2B2S meets the material and functional requirements of AMS-DTL-23053/4, Class 2, with the exception of longitudinal change. 3. Shrink temperature is 110° C. 4. SUMITUBE O2B2S is packaged in continuous lengths on spools making it ideally suited for applications requiring cut pieces with minimal waste. 	<ol style="list-style-type: none"> 5. Operating temperature range is -55° C to +110° C. 6. SUMITUBE O2B2S is recommended for applications in environmental conditions that 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
*5/8	.625	15.9	.313	7.9	.033	0.85
3/4	.750	19.1	.375	9.5	.035	0.90
1	1.000	25.4	.500	12.7	.042	1.10
*1 1/4	1.250	31.8	.625	15.9	.047	1.20
1 1/2	1.500	38.1	.750	19.1	.047	1.20
*2	2.000	50.8	1.000	25.4	.053	1.35
Standard Colors: Black Standard Package: Spooled How to Order: (Type of material) (Size) (Color) (Packaging) Example: O2B2S 1/4 Black Spooled						

* Non SAE-Spec sizes

O2B2S 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 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: 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 AMS-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 02B2S
 CSA LR33298
 AMS-DTL-23053/4D, Class 2 except longitudinal change



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