

SUMITUBE® O2B2

AMS-DTL-23053/4, Cl. 2

UL / CSA

FLEXIBLE POLYOLEFIN WITH ADHESIVE LINER 2 : 1 Shrink Ratio

MILITARY SPECIFICATION & UL / CSA



RoHS Compliant

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

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: 4'

How to Order: (Type of material) (Size) (Color) (Packaging)

Example: O2B2 1/4 Black 4 foot

* Non SAE-Spec sizes

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 AMS-DTL-23053 ASTM D882 AMS-DTL-23053	1500 min. 200 min. no cracking. no cracking 2.5 X 10 ⁴ max. +1, -5
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. 841 or SUMITUBE 02B2
 CSA LR33298
 AMS-DTL-23053/4D


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