

## FLEXIBLE POLYOLEFIN WITH ADHESIVE LINER 2 : 1 Shrink Ratio



**RoHS Compliant**

### TYPICAL FEATURES

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| <p>1) SUMITUBE O2F2 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 O2F2 complies with the material and functional requirements of AMS-DTL-23053/4 Class 2 and is recognized by Underwriters' Laboratories (UL) as UL-224 125°C 600V.</p> | <p>3) Shrink temperature is 110°C.</p> <p>4) Operating temperature range is -55°C to +110°C.</p> <p>5) SUMITUBE O2F2 is recommended for applications in environmental conditions which require sealing against moisture and water or other contaminants.</p> <p>6) For similar tubing without surface printing, please see Sumitube O2B2.</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:** Black, White

**Standard Package:** 4 feet (4')

**How to Order:** (Type of Material) (Size) (Color) (Packaging)

**Example:** O2F2 1/4 Black 4'

# O2F2 SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
<b>Physical:</b> 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 <sup>4</sup> max. +1, -5
<b>Electrical:</b> Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D876 ASTM D876	500 min. 1 X 10 <sup>14</sup>
<b>Chemical:</b> 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 O2F2 or 841  
 AMS-DTL-23053/4 Class 2

**Marking:** SUMITUBE O2F2 is surface printed with recognized UL marking as follows  
 "SUMITOMO SUMITUBE O2F2 841 125° C"



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