

SUMITUBE[®] A4

COMMERCIAL GRADE FLEXIBLE POLYOLEFIN 2 : 1 Shrink Ratio

RoHS Compliant
 Lead-Free
 Halogen-Free

TYPICAL FEATURES

- 1) SUMITUBE A4 is a light weight flexible, heat shrinkable polyolefin tubing which has excellent weather (UV) resistance with good electrical properties and chemical resistance.
- 2) SUMITUBE A4 is available in many opaque glossy colors that are not affected by the color of the substrate.
- 3) Shrink temperature is 110°C.
- 4) Operating temperature range is -55°C to +105°C.
- 5) SUMITUBE A4 is recommended for general purpose applications such as handle covering, radio antennas, insulating wire terminations, and light wire harness bundling.

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)
3/64	.046	1.2	.023	0.6	.016	0.40
1/16	.063	1.6	.031	0.8	.017	0.43
3/32	.093	2.4	.046	1.2	.020	0.51
1/8	.125	3.2	.062	1.6	.020	0.51
3/16	.187	4.8	.093	2.4	.020	0.51
1/4	.250	6.4	.125	3.2	.025	0.64
3/8	.375	9.5	.187	4.8	.025	0.64
1/2	.500	12.7	.250	6.4	.025	0.64
3/4	.750	19.1	.375	9.5	.030	.076
1	1.000	25.4	.500	12.7	.035	.089
1 1/2	1.500	38.1	.750	19.1	.040	1.02
2	2.000	50.8	1.000	25.4	.045	1.14

Standard Colors: Black, White, Red, Yellow, Blue, Green and Clear
Standard Package: Spooled (S)
How to Order: (Type of material) (Size) (Color) (Packaging)
Example: A4 1/4 Black S

A4 SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
Physical: Tensile strength (psi) Elongation (%) Specific gravity Low temperature flex. (-55° C) Heat resistance (136°C, 168 Hrs.) Elongation (%) Secant modulus (psi) Longitudinal change (%)	ASTM D638 ASTM D638 ASTM D792 AMS-DTL-23053 ASTM D638 ASTM D882 AMS-DTL-23053	1500 min. 200 min. 1.0 max. no cracking 100 min. 25000 max. +5, -15
Electrical: Dielectric strength (volts/mil) Volume resistivity (ohm-cm)	ASTM D876 ASTM D876	500 min. 1.0 X 10 ¹⁵ min.
Chemical: UV color stability (2000 Hrs.) UV resistance (2000 Hrs.) Elongation (%) Water absorption Fluid resistance (23°C, 24 Hrs.) Tensile strength (psi) Flammability Shrink temperature, nominal	WEATHER-O-METER WEATHER-O-METER ASTM D570 AMS-DTL-23053	No color reduction 100 min. 0.2 max. 1000 MIN. N/A 115°C

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