

SUMITUBE™ AN25

[Highly heat/oil/chemical resistant, flame-retarded heat-shrinkable tubing] SAE recognized

✓ RoHS directive 10 substances

Waterproofing

Flame-retarded

UL recognized

CSA recognized



Basic Properties

- Material : Irradiated cross-linked flexible flame-retarded elastomer
- Shrink temperature : min. 170°C
- Shrink ratio : Radial change: min. 50%
Longitudinal change: 0 ±10%
- Continuous operating temperature : -75 to 150°C

Features

- SAE recognized
- Flame-retarded
- Flexible
- Highly resistant against oil and chemicals

Specifications/Approvals

- SAE-AS23053/16

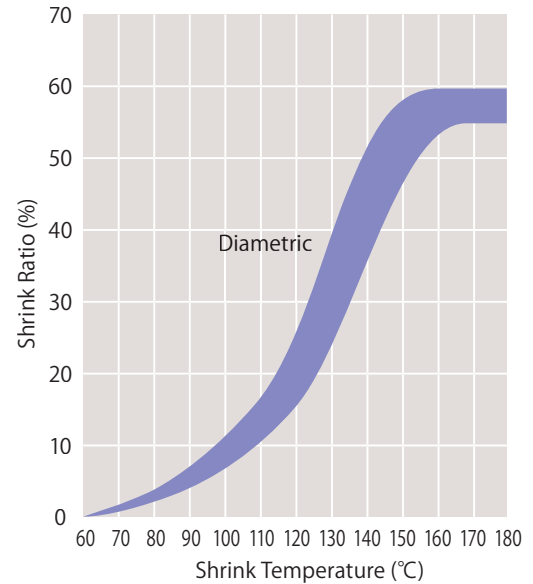
Applications

- Mechanical and chemical protection of wire harnesses used in aerospace and automotive equipment

Colors

- Black

Shrink Properties



A
C
A4
LA
C (UL)
D
A2
B
LB
F (Z)
F3 (Z)
NHR2
NHR4
V (300V)
V (600V)
F2 (Z)
F4 (Z)
B2
B2 (3X)
B8
K
K2
KH200 (TW)
KH230 (TW)
B6
R
AN25
W
O2C
W3C
O2B2
W3F2
W3B2
W3B2 (4X)
SA2
SA3

IRRAX™TUBE IRRAX™TAPE

A
B
F2
F2 (UL)
V2
RP3
B8
ER2
NHR
FE2
VZL

IRRAX™SLEEVE

SCM2
SBI 300/350
SNHM

Composite articles

SUMISEAL
SUMITUBE SA3 CAP

Processing equipment

SUMISHRINKER / HEATING GUN

Properties [SAE-AS-23053/16]

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength (before aging)	min. 11.7MPa	19MPa
	Tensile strength (after aging)	150°C x 168 hours, min. 10.4MPa	13.9MPa
	Elongation (before aging)	min. 250%	400%
	Elongation (after aging)	150°C x 168 hours, min. 200%	250%
	Heat shock	200°C x 4 hours, no crack	Pass
	Cold bend	-65°C x 4 hours, no crack	Pass
	Tensile stress at 100% elongation	max. 10.3MPa	5MPa
Electrical	Dielectric breakdown	min. AC11.9kV/mm	25.6kV/mm
Chemical	Flammability	ASTM D2671 Procedure B	Pass

*1: For reference use only

Sizes

Trade size (inch)	As supplied (mm)		After recovered (mm)		Unit length (min.) (m)
	Inside diameter (min.)	Wall thickness (nom.)	Inside diameter (max.)	Wall thickness	
1/8 *2	3.20	0.35	1.60	0.75 ± 0.15	150
3/16 *2	4.80	0.45	2.40	0.85 ± 0.20	60
1/4	6.40	0.45	3.20	0.90 ± 0.20	60
3/8	9.5	0.55	4.75	1.00 ± 0.20	60
1/2	12.7	0.60	6.4	1.20 ± 0.30	60
3/4	19.1	0.70	9.5	1.45 ± 0.35	30
1	25.4	0.90	12.7	1.80 ± 0.45	30
1-1/2	38.0	1.20	19.0	2.40 ± 0.50	30
2	51.0	1.30	25.4	2.80 ± 0.50	30

*2: These sizes are not SAE recognized.