

IRRAX™ SLEEVE SCM2

[Medium wall heat-shrinkable tubing with meltable adhesive]

✓ RoHS directive 10 substances

Waterproofing Flame-retarded UL recognized CSA recognized



Basic Properties

- Material: Cross-linked flexible flame-retarded polyolefin
- Shrink temperature : min. 115°C
- Shrink ratio : Radial change: min. 60%
: Longitudinal change: min. -10%
- Continuous operating temperature: -55 to 120°C

Features

- Very flexible
- Dual wall, hot-melt adhesive inner liner
- High shrink ratio, 3:1
- Quick shrink
- Excellent adhesion to metal, polyethylene and polyvinyl chloride

Marking on Surface

IRRAXSLEEVE SCM2 XX (XX indicates nominal size)

Applications

- Waterproof sealing and insulation for joints of communications equipment and low voltage cable terminals
- Waterproof sealing and insulation for joints of connectors and cables
- Corrosion protection for metal pipe joints
- Replacement for taping and molding process

Colors

- Black

Properties

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength (before aging)*2	min. 10.0MPa	21.7MPa
	Tensile strength (after aging)*2	150°C x 168 hours, min. 8.0MPa	23.5MPa
	Elongation (before aging)	min. 350%	568%
	Elongation (after aging)	150°C x 168 hours, min. 300%	532%
	Low temperature flexibility	-55°C x 1 hour, no crack	Pass
Electrical	Hardness (Shore D)	—	41
	Volume resistivity	min. $1.0 \times 10^{13} \Omega \cdot \text{cm}$	$2.0 \times 10^{14} \Omega \cdot \text{cm}$
	Tracking resistance	—	2.75kV x 1 hour
	Dielectric constant	—	4.1
Chemical	Weather resistance	—	—
	Weatherometer exposure test	—	—
	Tensile strength	—	94% of original value after 4,000 hours
	Elongation	—	91% of original value after 4,000 hours
	Shrinking temperature (start/finish)	—	70°C / 90°C

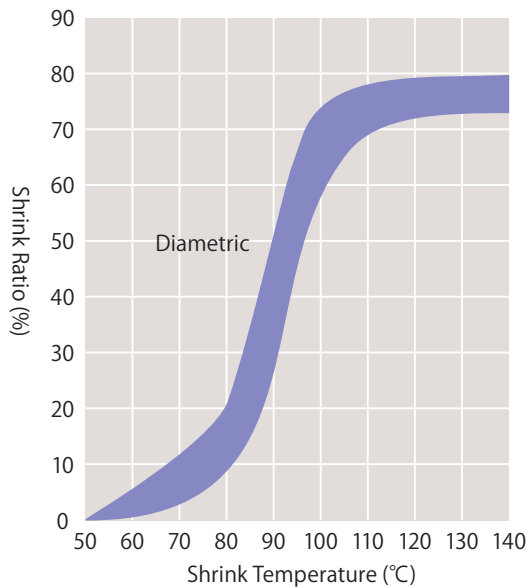
*1: For reference use only *2: Calculated by using outer cross section

Sizes

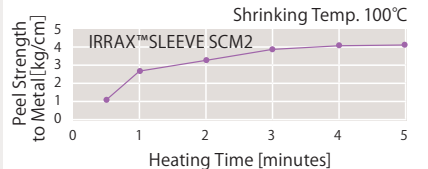
Trade size*3	As supplied (mm)		After recovered (mm)		Unit length (min.) (m)
	Inside diameter (min.)	Inside diameter (max.)*4	Inside diameter (max.)*4	Wall thickness (nom.)*4	
04—1220	10.2	3.80	3.80	1.50	1220
07—1220	19.0	5.60	5.60	2.00	1220
11—1220	28.0	9.5	9.5	2.00	1220
13—1220	33.0	10.2	10.2	2.00	1220
15—1220	38.1	12.7	12.7	2.30	1220
17—1220	44.0	14.0	14.0	2.30	1220
20—1220	52.0	18.2	18.2	2.30	1220
27—1220	70.0	25.5	25.5	2.30	1220
35—1220	90.0	30.0	30.0	2.50	1220
50—1220	125.0	40.0	40.0	2.50	1220

Longitudinal change: min. -10% *3: Nominal size shows 10 times value of supplied ID in inches (i.e. 04 is 0.4 inches) *4: Size of outer jacket

Shrink Properties



Adhesion Properties



SUMITUBE™

A
C
A4
SUMITUBE LA
C (UL)
D
A2

SUMITUBE B
LB

F (Z)
F3 (Z)
SUMITUBE NHR2
NHR4
V (300V)
V (600V)

F2 (Z)
F4 (Z)
SUMITUBE B2
B2 (3X)
B8

SUMITUBE K
K2

SUMITUBE KH200 (TW)
SUMITUBE KH230 (TW)

B6
SUMITUBE R
AN25

SUMITUBE W

SUMITUBE O2C
W3C

O2B2
W3F2
SUMITUBE W3B2
W3B2 (4X)
SA2
SA3

IRRAX™ TUBE IRRAX™ TAPE

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

IRRAX™ SLEEVE

SCM2
IRRAXSLEEVE SBI 300/350
SNHM

Composite articles

SUMISEAL
SUMITUBE SA3 CAP

Processing equipment

SUMISHRINKER / HEATING GUN