

# IRRAX™ TAPE VZL

[Heat-resistant tape]

✓ RoHS directive 10 substances

Waterproofing Flame-retarded UL recognized CSA recognized



## Basic Properties

- Material: Cross-linked flexible flame-retarded polyvinyl chloride resin (with pressure sensitive adhesive backing)
- Continuous operating temperature: -30 to 105°C

## Features

- Thinwall
- Flame-retarded

## Specifications/Approvals

SFP standard (RE2-1304)

## Applications

- Insulation, bundling, and protection of wire harnesses and parts for automobiles
- Protection and bundling of lead wires and parts which are subject to high temperature
- Protection of wiring where flame retardance is required

## Colors

- Gray, Black

## Properties

Properties	Items	Requirements	Typical values*1
Mechanical	Tensile strength (before aging)	29.4N/19mm in width min.	33.2N/19mm in width
	Tensile strength (after aging)	120°C x 7 days, 29.4N/19mm in width min.	33.6N/19mm in width
	Elongation (before aging)	min. 125%	172%
	Elongation (after aging)	120°C x 7 days, min. 100%	143%
	Heat shock	200°C x 0.5 hours, no melting	Pass
	Low temperature resistance	-45°C x 1 hour, no crack	Pass
	Peeling	No adhesive sticking to the back surface of the next layer	Pass
Electrical	Lap joint adhesion (before aging)	29.4N/19mm in width min.	35.0N/19mm in width
	Adhesion strength (before aging)	1.96N/19mm in width min.	3.3N/19mm in width
	Adhesion strength (after aging)	*2 85% of original	105%
Electrical	Dielectric withstand (before aging)	AC1.0kV x 60 sec., no breakdown	Pass
	Volume resistivity	min. 1.0 x 10 <sup>12</sup> Ω·cm	1.3 x 10 <sup>15</sup> Ω·cm
Chemical	Flammability	Flame-retarded (Oxygen index ≥23.5)	25.0

\*1: For reference use only \*2: 70°C x 4 hours, immersion in water x 0.5 hours, 70°C x 5 hours

## Sizes

Trade size (mm)	Wall thickness (mm)	Width (mm)	Unit length (m)
0.09 x 19	0.09 ± 0.02	19.0 ± 1.0	30 min.
0.09 x 25	0.09 ± 0.02	25.0 ± 1.0	30 min.

## SUMITUBE™

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)
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KH230 (TW)
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B6
R
AN25

W
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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