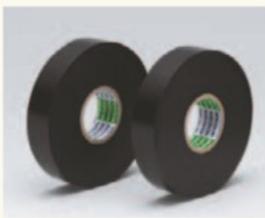


Butyl Rubber Tape No. 11/No. 15



Long selling “waterproof insulation”

Butyl rubber tape No.11 is with liner and No.15 is without liner. These are waterproof insulation tapes and has excellent workability. You can wind this tape to the necessary thickness while elongating it by a factor of between approximately 2 to 2.5.

Features

- Self-fusing in a short time.
- Excellent electrical insulation properties.
- The main ingredient is butyl rubber, resulting in excellent waterproof performance.

Applications

- Insulation coating material for connection and terminal treatment of various electric cables.
- Coating of lead wire for electric instruments.



Structure



Properties

Item	Unit	Measured value
Thickness	mm	0.5
Width	mm	19
Length	m	10
Tensile strength (normal condition)	N/mm ²	3.1
Tensile strength (after heating)*1	N/mm ²	2.9
Elongation (normal condition)	%	550
Elongation (after heating)*1	%	570
Withstand voltage (10 kV × 1 minute)	-	OK
Dielectric breakdown voltage	kV/mm	44
Volumetric resistivity	Ω·cm	2 × 10 ¹⁷

*1 Heated for 96 hours at 100°C

Waterproof Insulation Sealing Material NF Series



This material uses a non-halogen, flame retardant, lead-free compound in consideration of the environment.

We are expanding the applications of this sealing material to automobiles based on its record of achievement and reliability as an insulating material and filling and sealing material for branches, and other parts, of overhead power wires. Products that conform to various applications and methods of use are available.

Features

- Exhibits excellent adhesion to rough surfaces and electric wires (including non-halogen wires).
- Uses a non-halogen, flame-retardant compound and has low temperature to high temperature flexibility.
- PVC backing (NF-500PV) is lead-free in consideration of the environment.
- Does not droop at high temperature.
- Excellent electrical properties.

Properties

Item	Unit, test method	NF-500
Flame retardancy	15-second flame test	Self-extinguishment, No dripping matter
	Continuous 2-minute flame test	No dripping matter
Oxygen index	-	30
Adhesion	N/20mm	63.6
50% compression load*1	N/cm ²	11.5
Volumetric resistivity	Ω·cm	6.6 × 10 ¹⁴
Withstand voltage	5 kV 1 min.	No abnormality
Dielectric breakdown voltage	kV/mm	24
Droop test*2	1 mm max.	0
Hue	-	Black

*1 20 mm × 20 mm, compression ratio 5 mm/min.

*2 Drooping distance over 24 hours at 100°C

Structure

