

SAT2 TAPE

SAT2 is a high-voltage insulating tape composed of a polyethylene base material laminated with a butyl rubber-based self-bonding adhesive material. It is in conformity with the Black-Coloured Adhesive Polyethylene Insulating Tape (in Japanese) of the Interior Wiring Standards ¹⁾, and is a standardized product in JCAA ²⁾ D 004. It is widely used for insulating the joints and terminations of various rubber- and Flame-retardant SAT2 is also available.

Note 1: Standards formulated by the Japan Electric Association

Note 2: Japan Power Cable Accessories Association

APPLICATION

- Insulation of the joints and terminations of various rubber and plastic cables
- Repairing of damaged insulation portions of various cables described above
 - * Primary electrical insulation for splicing cable from 600V to 69kV on all solid dielectric cables.
 - * Primary insulation for building stress cones on cables up to 36kV on all solid dielectric cables
- Continuous operating temperature: -30°C to 70°C
- Short term temperature of 100°C for maximum exposure period of 2 hours



DIMENSIONS AND PACKING QUANTITY

DIMENSIONS			Packing Quantity (roll/box)
Thickness (mm)	Width (mm)	Length (m)	
0.5	20	5	100
		10	

PROPERTIES

Item	Property	Test Conditions
Tensile Strength (N/mm ²)	4	JIS K 6251
Elongation (%)	450	
Heat Resistance	Tensile Strength (N/mm ²)	After 100°C x 96 hr heating JIS K 6257
	Elongation	
Adhesion Strength (N/20-mm width)	30	Lap Shear
Breakdown Voltage (kV/mm)	30	JIS K 6911
Volume Resistivity (Ω.cm)	1 x 10 ¹⁶	
Waterproof Property	Good	JCAA B 003
Weather Resistance	Good	Sunshine Weatherometer
Ozone Resistance	Good	2 hr at 0.015 vol%, 25°C, 20% elongation
Tracking Resistance	Good	JIS C 3005, 100 times or more

Note: The above are measured values, not guaranteed values.

HOW TO USE

Clean adequately the surface of the object, wind the tape half-lapped with the adhesive side inside, stretching it lightly to the extent that it closely adheres to the object, without getting wrinkled, i.e., its original width is reduced by 1 ~ 2mm.

Take care not to stretch it too tightly, since it tends to go out of alignment due to too much tension. For use in cold seasons, warm it to around room temperature prior to application.

Be sure to apply SAT2 for insulation over the surface.

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.