

DATA SHEET

101a_K450

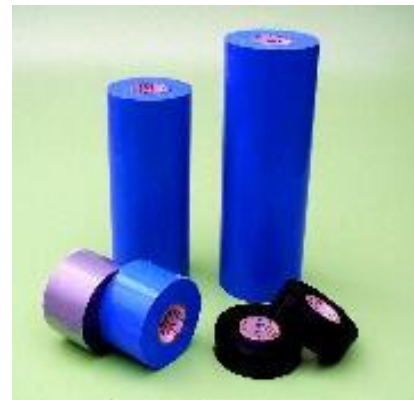
K-450 Anti-Corrosion Pipe Wrapping Tapes

[Self-Fusion (Self-Amalgamates) Type] Butyl Rubber Adhesive
 Protection for Oil, Water and Gas Pipe & Valve.
 An Outer Wrap Tape for ground & underground pipe and joints

Tape Structure



LDPE Backing + Self-Fusion Butyl Rubber Adhesive.



Salient Feature

- Good electrical properties against electrolytic corrosion and pressure resistance
- As it is a perfect Self-Bonding tape, it's anti-corrosive layer forms a perfect composite whole.
- Excellent electrical properties, water-proof and resistance to chemical and bacteria which are necessary for the anti-corrosive tape for steel pipeline.
- Superior low temperature properties.

Standard Color, Sizes

Color	Silver, Light Blue, Black
Thickness (mm)	0.4 mm (Backing:0.12 mm, Adhesive 0.28 mm) 1.0 mm 1.5 mm
Width (mm)	25, 50, 75, 100, 150~450 (Thickness 0.4mm) 25, 50, 75, 100, 150 (Thickness 1.0mm) 75, 100, 150 (Thickness 1.5mm)
Length (M)	10M (Thickness 0.4mm, 1.0mm) 5M (Thickness 1.5mm)

For other sizes, please Contact Us.

Also available in Log Roll Form.

Minimum quantity for custom's color: 4,000 Liner Meter per color.

Application Notes

- After cleaning the pipe surface, unwinding K-450 (adhesive side inside) with a specified lap, pulling it under tension to narrow it's width by 1 ~ 3 mm, without allowing wrinkles to form.
- ** In case, if using K-450 or ST Sealing Tape or SM Sealing Block in low temperature area, please combined with Primer No. 10 for increasing the Anchor Force, Adhesion Strength, and Reliabilities in Anticorrosive function between Pipe and K-450 & ST Sealing Tape or SM Sealing Block.

Physical Properties

ITEM	UNIT	TEST CONDITION	RESULT
Tensile Strength	N / 25mm	Normal condition (Test Method : JIS K-6251)	26.48
Elongation	%	Normal condition (Test Method : JIS K-6251)	min. 400
Adhesion	N / 25mm	Normal condition (Test Method : JIS C-2107)	min. 34
Volume Resistivity	Ω - cm	(Test Method : JIS C-2236)	2.5 X 10 ¹⁵
Dielectric Breakdown	Kv /mm	(Test Method : JIS C-2236)	min. 20
Weatherability		(Test Method : JIS C-6266)	Excellent
Ozone Resistance		(Test Method : JIS C-6259)	Excellent
Chemical Resistance		(Test Method : see Remark)	Excellent

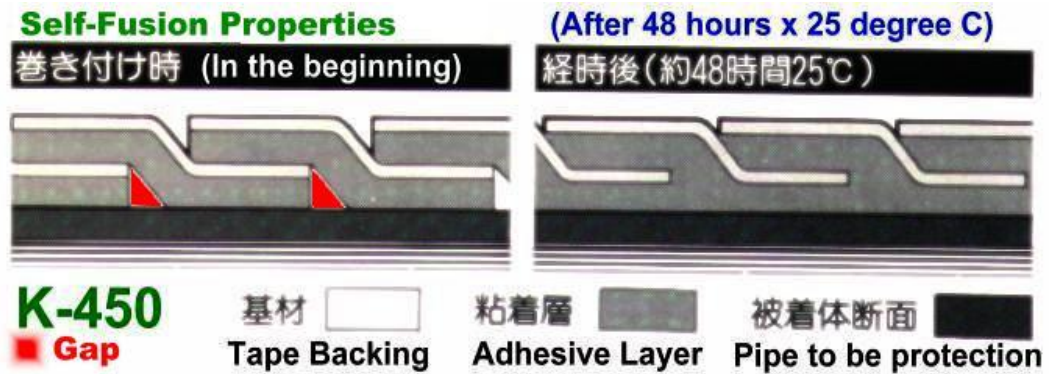
This data was made under fixed laboratory test condition by sampling, it's not guaranteed performance.

Remark: Soak in the each 20% solution of Hydrochloric acid, Sulfuric acid, Nitric acid, Ammonia, Caustic soda and solution of Salt.

Storage Condition

Caution: Please store in a cool, dry place, avoid direct sunlight.

Self-Fusion (Self-Amalgamates) Properties [As below picture showing]



LEFT: The Self-Fusion (Self-Amalgamating) Tape apply to the pipe in the beginning, you can see the "GAP" (red color area) between each layer.

RIGHT: After applied 48hrs (25 degree C), The "GAP" between each layer has been Self-Fusion (Self-Amalgamating) itself and offer an excellent Anti-Corrosion and Insulating properties.

Application Model



Tape apply to the pipe in the beginning

LEFT: Outside appearance of K-450 Pipe Wrapping Tape.
[Self-Fusion (Self-Amalgamates) Type]

RIGHT: Outside appearance of Soft PVC Pipe Wrapping Tape.
[Traditional Solvent Rubber Adhesive]

(Inside) After applied 48hrs(25 degree C)

LEFT: The "GAP" between each layer has been Self-Fusion and offer an excellent Insulating and Anti-Corrosion properties.

RIGHT: The "GAP" between each layer STILL had the GAP forever, the Corrosion will be starting from the GAP area day by day.

The end user have to spend a lot of expanse for the pipe maintenance year to year.

our K-450 Other PVC Tape

