

Masking tape for printed circuit boards

# ELEP Masking N-800

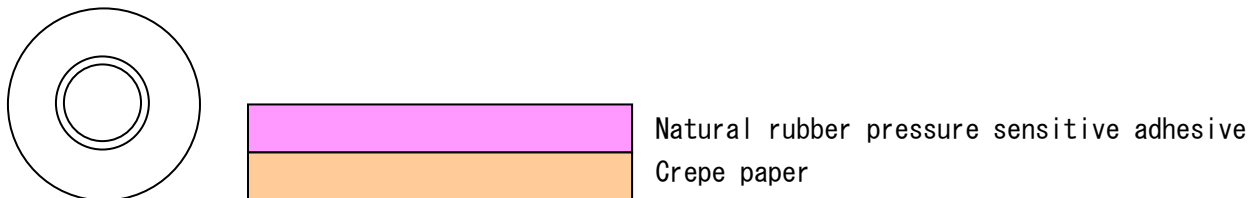
## Outline

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ELEP Masking N-800 is a crepe paper masking tape developed for soldering process when mounting parts on printed circuit boards. It offer excellent solder resistance, flux resistance and adhesion, It is easily removable after soldering process, leaving minimal adhesive residue.

## Construction

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## Features

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- Light unwinding and easy application.
- Special adhesive offers firm adhesion to printed circuit boards, stable adhesion during the process.
- Adhesion increases if pressed with a heating roller.
- Excellent resistance to solder and flux, preventing infiltration of the solution.
- Withstand severe conditions, leaving minimal adhesive residue.
- Minimal change in adhesive strength after laminating enables to be easy peeling.

## Applications

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Masking to prevent infiltration of mainly the solder and flux solution during soldering process for mounting parts on printed circuit boards.

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## Standard Size - Color

Item	Thickness (mm)	Width (mm)	Length (M)	Color
N-800	0.14	4/6/9/12/15/18	50	Cream

\*Contact us for information concerning sizes other than the above.

## General properties

Item	Unit	N-800
Thickness *1	mm	0.14
Adhesive Strength *2	N/18mm	4.80
Unwinding Force *3	N/18mm	1.90
Tensile Strength *4	N/18mm	75
Elongation *4	%	19
Solder Resistance *5		◎
Flux Resistance *5		○
Adhesive Residue *5		○

◎: Excellent ○:Very Good

### Test Method

\*1:Nominal thickness

\*2:Adherend Stainless steel plates, Tensile speed 300mm/min, Peeling angle 180°

\*3:Tensile speed 300mm/min

\*4:Tensile speed 300mm/min, strength and elongation when breaking

\*5:A test specimen is applied to the board by applying a 2kg rubber roller once in each direction, and then exposed to immersion. After that, it is left for 2 hours or more in the atmosphere of 23°C and 55%RH, and is peeled at an angle of 180° in 300mm/min. It is evaluated visually.

Immersion conditions Solder : 250°Cx 10sec.

Immersion conditions Flux : normal temperature x 10sec.

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## Precautions

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- Duly inspect the adaptability of this product to your intended use, prior to its application. We may conduct the adaptability test in your favor. However, its content and results do not guarantee your use. It is of your responsibility to ultimately determine its adaptability.
- The characteristics and performance of this product depend on the type of adherend, environment of use, and conditions/period after application. Always test (including the appearance) before changing the adherend (composition/surface roughness), conditions or use.
- When the product is applied to PVC adherends with plasticizer or surface-active adherends (electrolyzed, chemically treated, polished, etc.), it may become difficult to release or tend to leave deposits, as time passes.
- When applying the product to a display material, test with particular attention on appearance defects. Stain, cloudiness or unevenness may appear on the surface of the display material, depending on its type. Traces of air bubbles may be left if they are trapped during application.
- Aforementioned problems may also arise when the product is stored for a long period of time after application.
- Do not use the product outdoors.
- Wipe off any grease, moisture or dust on the adherend before application.
- When coating after the surface protective material has been peeled, products should be used upon giving sufficient consideration to surface washing, below-surface processing and sintering conditions and confirming the adhesiveness of the coating.

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