

Silicone rubber film

# KEIJU™

## ■ Characteristics

1. Thin layer, high accuracy of film thickness and available in long length.
2. As it has protective cover sheet (polyester film), keeps the film from dust gathering and easy for secondary handling.
3. Embossed film improving surface slippage is available
4. Film of low molecular weight and reduced siloxane content is available for electric and electronic applications.
5. Silicon/PET film adhesion type is also available.
6. Modified silicon rubber layer can be made is available

## ■ Applications

1. Cushion material for LCD Panel
2. Slippage-proof sheet
3. Masking material
4. Sheet for heat press
5. Water and moisture proof packing

## ■ Specifications (General type)

Thickness (Silicon rubber)	Min.:30 $\mu\text{m}$ <sup>(1)</sup> * It'll be provided every 10 $\mu\text{m}$
Width	300 mm,500 mm <sup>(2)</sup>
Length	• Long length <sup>(3)</sup> : 100m (Max.) • Cut Sheet:10 m <sup>2</sup> (Min order)
Surface (Silicon)	Embossing is available
Thickness of PET (PET Lamination)	50 $\mu\text{m}$ ,100 $\mu\text{m}$

Other types are as follows:

(1) Conductive type:50  $\mu\text{m}$  (Min.)

Flame resistance type:100  $\mu\text{m}$  (Min.)

Heat dissipation type:50  $\mu\text{m}$  (Min.)



(2)Please contact us for minimum order quantity for 500 mm width.

(3)Thickness:300  $\mu\text{m}$  (Max.)

## ■ Rubber hardness range

Types \ Hardness	Hardness								
	20	30	40	50	55	60	70	80	90
General type	○	○	○	○	○	—	○	○	○
Electric conductive type	○	○	—	—	—	○	○	—	—
Flame resistant type	—	○	—	○	—	○	—	○	—
Heat dissipation type	—	—	—	—	○	○	—	—	—

■ Available Structure

Type	Single membrane	PET Composite Laminate
	 <p>← Protection film ← Silicone Rubber ← Protect films</p>	 <p>← Protection film ← Silicone Rubber ← Biaxially oriented PET film</p>
	<p>• Silicone film only Make full use of the capabilities of Silicone</p>	<p>• Laminated with biaxially oriented PET film, prevent leaks and improve the secondary forming, and handling. • By utilizing PET film side the material for general use is possible rather than adhesive and glue for silicone rubber.</p>

■ Physical Properties

• silicone rubber film

Items	Test Method	Value	General type	Conductive type	<sup>(1)</sup> Flame-resistant type	Heat dissipation type
Appearance	Visual check	—	Opaque colorless	Black	Black	Grayish black
Rigidity of Rubber	JIS K 6253 <sup>(2)</sup>	—	55	70	55	60
Tensile Strength	JIS K 6251 <sup>(3)</sup>	MPa	9.8	5.0	5.0	3.0
Elongation At break	JIS K 6251 <sup>(3)</sup>	%	400	170	250	160
Volume resistivity	Our method	$\Omega \cdot \text{cm}$	—	10	—	—
Thermal conductivity	Our method	$\text{W}/\text{m} \cdot \text{K}$	—	—	—	1.0

(1) Used the rubber obtained UL-94V-0

(2) Test method for rigidity of vulcanized rubber and thermoplastic rubber

(3) Tensile test method for vulcanized rubber

The values mentioned above are typical ones, not guaranteed ones. Before using,

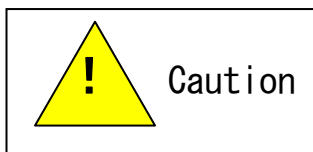
### ■ Important Safeguards

Directions for safe use are prepared for the purpose of maintaining the safety of customers and your clients and property. The products carrying warning and caution, read following details.



If this product is mishandled in defiance of this sign, you may have a risk of death or serious injury.

- In case of using for medical devices, foodstuff, other special purpose applications, please test and make certain that you can do so safely.



If this product is mishandled in defiance of this sign, you may have a risk of serious injury and property damage.

- Toxic gases(carbon monoxide, Formaldehyde) and dust (such as Silicon dioxide) will form upon combustion, so if you dispose of them, don't incinerate. Landfill them as the industrial wastes disposal.
- This product contains low molecular weight siloxane, don't use for any application which should avoid the use of low molecular weight siloxane. The grades which contain small or no low molecular weight siloxane can be produced depending upon the degree, please consult with us.
- During the forming and carrying, wear proper protective gear to prevent possible injury to hands and fingers.

### ■ Cautions in Operation

- Peel off protective film immediately before use.
- Please contact us for more information on application, performance and specification.

