

HOME > SHOP SILICONE PRODUCTS > SHEETING, SOLID SHEET > ULTRA THIN SILICONE SHEET

# Ultra Thin Silicone Sheet



We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept All", you consent to the use of ALL the cookies. However, you may visit "Cookie Settings" to provide a controlled consent.

 Cookie Settings

Accept All

Reject All

## From £22.23 Exc VAT

Ultra thin silicone rubber film, translucent, (30° shore A hardness).

Offering key pioneering advantages, this new form of presentation greatly extends the reach of high-tech silicone technology. Produced from addition-curing silicone, these films are manufactured under cleanroom conditions to produce flawless, extremely homogeneous films of uniform thickness. Starting at just 20µm (0.02mm), these films are highly elastic, with low modulus, high specific resistivity and high dielectric strength. They are chemically inert and resistant to oxygen, ozone and ultraviolet (UV) radiation whilst being highly permeable to gas and water vapour.

Silex ultra thin film performs at temperatures of -45°C to +200°C and is an ideal dielectric medium in applications such as actuator technology, generator technology or sensor technology. This film can also be used in food packaging, technical textiles and multiple industrial applications. It can be die-cut or laser cut and bonded with silicone adhesive.

Available as a sheet (250mm x 250mm), or a minimum of 1 meter length.

COLOUR: TRANSLUCENT:	TRANSLUCENT
THICKNESS: 0-02MM:	0.02MM
LENGTH (MTRS): 250X250:	250X250
	CLEAR

---

## £22.23 Exc. VAT

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept All", you consent to the use of ALL the cookies. However, you may visit "Cookie Settings" to provide a controlled consent.

[Cookie Settings](#)

[Accept All](#)

[Reject All](#)



## DESCRIPTION

## ADDITIONAL INFORMATION

## REVIEWS (0)

SILPURAN® Film 2030 250/xxx is a high-precision silicone film made from cross-linked silicone rubber. The film shows a maximum thickness variation across the total width less than  $\pm 5\%$ . The precision allows a constant electrical resistance and good comparative tracking resistance across a broad range of temperatures. The width is 250 mm and thickness is given in  $\mu\text{m}$  (xxx). xxx stands for

- 20  $\mu\text{m}$
- 50  $\mu\text{m}$
- 100  $\mu\text{m}$
- 200  $\mu\text{m}$
- 300  $\mu\text{m}$
- 400  $\mu\text{m}$

SILPURAN® Film has got the outstanding mechanical and physical properties of platinum cured silicone.

- High and selectively gas and water vapor permeable
- High temperature resistant and low temperature flexible
- High dielectric strength combined with a high specific resistivity
- Transparent
- Constant mechanical and electrical properties over a wide range of temperatures and operating time
- Solvent free

Property	Condition	Value	Method
Dielectric strength	-	80 - 100 kV/mm	-
Volume resistivity	-	$10^{14}$ Ohmcm	IEC 60093
Hardness Shore A	-	27°	DIN ISO 48-4

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept All", you consent to the use of ALL the cookies. However, you may visit "Cookie Settings" to provide a controlled consent.

[Cookie Settings](#)

[Accept All](#)

[Reject All](#)

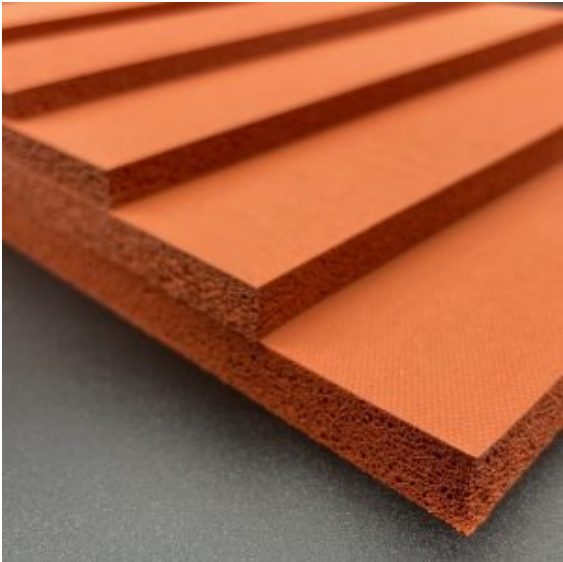
Property	Condition	Value	Method
Water vapor permeability	24 h   20 µm	3000 g/m <sup>2</sup>	JIS 1099 A1
Water vapor permeability	24 h   50 µm	1200 g/m <sup>2</sup>	JIS 1099 A1
Water vapor permeability	24 h   100 µm	800 g/m <sup>2</sup>	JIS 1099 A1
Glass transition temperature	-	-126 °C	-
Operating temperature	-	-45 - 150 °C	-
Tear strength	-	10 N/mm	ASTM D 624 B

RELATED PRODUCTS



**General Purpose Silicone Rubber Sheet (80°Shore)**

From £58.73 Exc VAT



**SIL-X-300-FFF High Recovery Silicone Sponge Sheet**

From £87.93 Exc VAT



**HT870 Flame Retardant Silicone Sheet**

From £91.03 Exc VAT

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking “Accept All”, you consent to the use of ALL the cookies. However, you may visit "Cookie Settings" to provide a controlled consent.

ADDRESS: Silex Limited Unit 10  
Oakhanger Farm Business Park  
Oakhanger  
Bordon  
Hampshire, GU35 9JA

PHONE: 0044 (0)1420 470360

EMAIL: [sales@silex.co.uk](mailto:sales@silex.co.uk)



SILICONE EXPERTS SINCE 1985

**in**

## Products & Certification

---

- › [Silicone Rubber Products](#)
- › [Materials](#)
- › [Industries](#)
- › [Approvals & Certifications](#)

## Silex Support

---

- › [How to Buy](#)
- › [Shipping Information](#)
- › [About Silex](#)
- › [Contact](#)

## Terms

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept All", you consent to the use of ALL the cookies. However, you may visit "Cookie Settings" to provide a controlled consent.

[Cookie Settings](#)

[Accept All](#)

[Reject All](#)



This website and its content is wholly owned by Silex.

© 2024 Silex Ltd Certification No. 0372

Website by 79DESIGN

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking “Accept All”, you consent to the use of ALL the cookies. However, you may visit "Cookie Settings" to provide a controlled consent.

[Cookie Settings](#)

[Accept All](#)

[Reject All](#)