

CNCGLASS



CNCGLASS solar silicone membrane sheet (roll) — high-temp silicone rubber diaphragm for PV module laminators.

CNCGLASS Product Catalog

Solar Silicone Membrane Sheet 200–250 °C — PV Module Laminator High-Temp Silicone Rubber Diaphragm for Vacuum Heat Press EVA Encapsulation

English

High-temperature silicone rubber membrane / diaphragm for photovoltaic (PV) module laminators — covers the module stack under vacuum, heat, and pressure for uniform, bubble-free EVA encapsulation; service grades 200 °C and 250 °C; hardness Shore A 40–77; tensile ≥ 10 –17 MPa; tear ≥ 30 –45 N/mm; thickness custom by process; width up to 4000 mm seamless; dual- and single-chamber laminators.

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Product List Edition

CNC Ucolin Interlayer Technology Co., Ltd. · SHENZHEN, GD, CHINA

CNCGLASS · Product List / Specifications

CNCGLASS solar silicone membrane sheet is a high-temperature silicone rubber diaphragm for photovoltaic (PV) module laminators. The membrane covers the module surface and works with vacuum, heat, and pressure so EVA encapsulation is uniform and bubble-free. Thickness is custom by process; width up to 4000 mm seamless. Four descriptive grades cover Shore A 40–77 and service temperatures 200 °C / 250 °C for dual-chamber and single-chamber laminators. Custom sizes available from CNCGLASS on request.

Grade specifications below. Commercial terms available on request.

Product	Specifications	Packing	Application
Solar Silicone Membrane 200–250 °C	Shore A 40–77 · 200/250 °C · width ≤ 4000 mm · thickness custom	Sheet / roll	PV module laminator / vacuum heat press EVA

Note: High-temp silicone rubber membrane for PV laminators. Thickness custom by process; seamless width up to 4000 mm. ISO9001 / CE / SGS. MOQ 100 m²; lead time 3–7 days. Please contact us for commercial terms.

To place an order or request a quotation, please email us at cnc@cncGlass.com. Our sales team will respond promptly with availability and lead time.

CNCGLASS · Datasheet of Solar Silicone Membrane Sheet 200–250 °C

Key properties of CNCGLASS solar silicone membrane grades for PV module laminators and vacuum heat press EVA encapsulation. Values below are published product facts. Descriptive grade names only — no supplier model codes. Dielectric strength is not published and is omitted.

Grade	Hardness Shore A	Tensile MPa $\geq$	Tear N/mm $\geq$	Temp °C	EVA resistance	Service life (cycles)	Color
Standard	60 $\pm$ 2	10	40	200	Medium	>8000 dual / >3000 single	Gray, black, blue
Soft	40 $\pm$ 2	10	30	200	Medium	>8000 dual / >3000 single	Black
High-temp	60 $\pm$ 2	10	40	250	Strong	>12000 dual / >6000 single	Gray, black, blue
High-hardness	77 $\pm$ 2	17	45	200	Super strong	>12000 dual / >6000 single	Black

Property	Result	Note
Product type	Solar silicone membrane / diaphragm	High-temp silicone rubber
Process	PV module laminator	Vacuum + heat + pressure
Encapsulation	EVA solar module encapsulation	Uniform, bubble-free
Service temperature	200 °C / 250 °C (by grade)	High-temp grade to 250 °C
Hardness range	Shore A 40 $\pm$ 2 to 77 $\pm$ 2	Soft / Standard / High-hardness
Tensile strength	$\geq$ 10 MPa (High-hardness $\geq$ 17)	Published fact
Tear strength	$\geq$ 30–45 N/mm (by grade)	Published fact
Thickness	Custom by process	Not a fixed catalog thickness
Width	Up to 4000 mm seamless	No splice across width
Service life	>3000–12000 cycles (by grade / chamber)	Dual / single chamber
Certifications	ISO9001, CE, SGS	As published
MOQ / lead time	100 m ² · 3–7 days	Commercial note
Customization	Thickness / size on request	Custom available

Datasheet values are typical published facts and may vary by batch. Please contact us for the latest test reports.

CNCGLASS · Features

- High-temperature silicone rubber membrane rated 200 °C (standard grades) and 250 °C (high-temp grade) for PV laminator duty cycles.
- Four descriptive hardness / EVA-resistance grades: Soft, Standard, High-temp, and High-hardness — choose by chamber type and encapsulation demand.
- Covers the module stack; works with vacuum, heat, and pressure for uniform, bubble-free EVA encapsulation of glass, cells, and backsheets.
- Thickness custom by process; seamless width up to 4000 mm for large modules.
- Long service life in dual-chamber and single-chamber laminators (published cycle ranges by grade).
- Reinforced high tear / tensile options (High-hardness grade) for demanding lines.

CNCGLASS · Applications

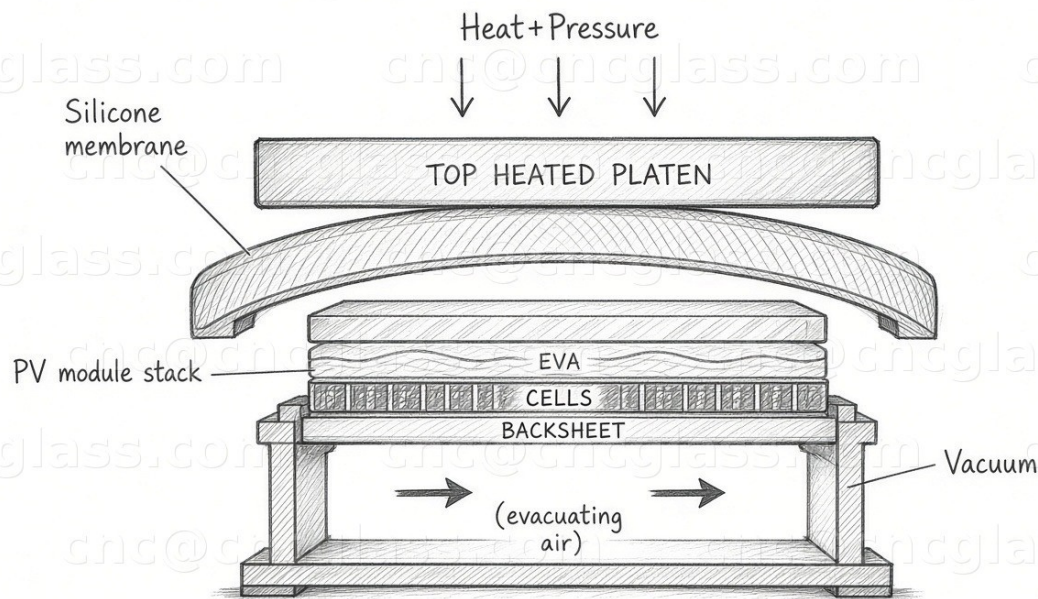
- Photovoltaic / solar module laminator silicone membrane (diaphragm).
- Vacuum heat press EVA encapsulation of solar panels.
- Dual-chamber and single-chamber PV laminator production lines.
- Bubble-free bonding of glass + solar cells + EVA + backsheet under vacuum.

CNCGLASS · Storage

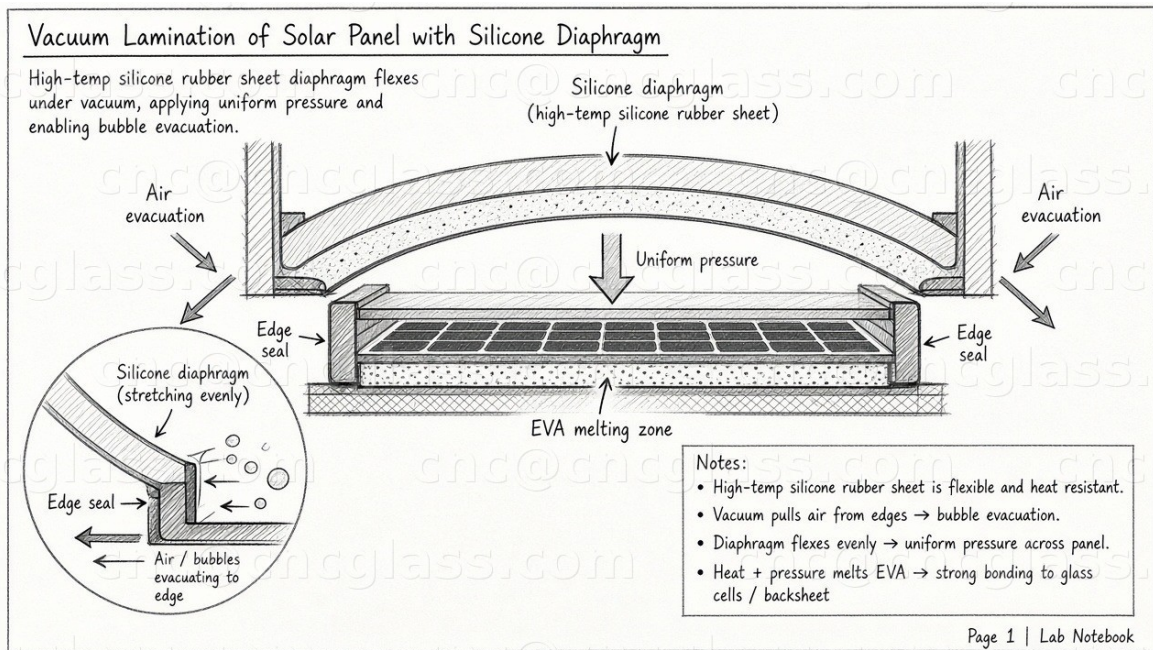
Store in a dry, clean environment. Keep away from heat sources. Do not expose to direct sunlight. Avoid sharp folds that can crease the membrane.

CNCGLASS · How It Works (Hand-Drawn Sketches)

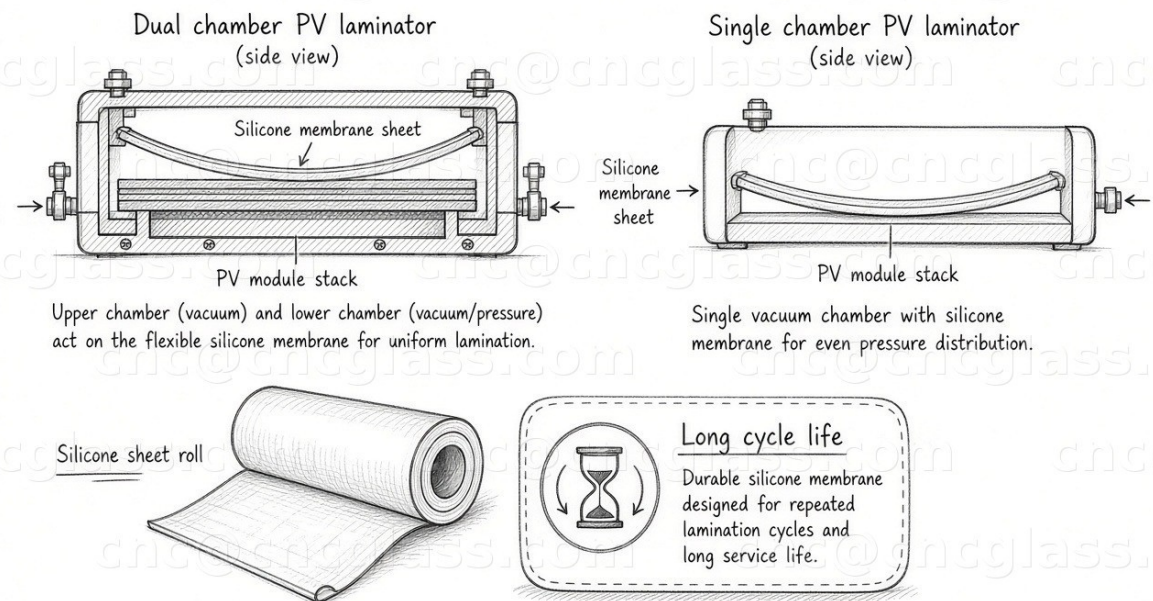
Educational hand-drawn sketches for PV module shops. CNCGLASS solar silicone membrane sits over the glass / cells / EVA / backsheet stack inside the laminator chamber. Vacuum evacuates air; heat melts EVA; the silicone diaphragm transfers uniform pressure for bubble-free encapsulation. Service grades 200–250 °C support dual-chamber and single-chamber lines.



PV laminator stack (hand-drawn sketch): silicone membrane over glass / cells / EVA / backsheet under vacuum + heat + pressure for encapsulation.



Vacuum seal (hand-drawn sketch): silicone rubber diaphragm seals the chamber, transfers uniform pressure, and helps evacuate air for bubble-free lamination.



Applications (hand-drawn sketch): PV module laminators, vacuum heat press EVA encapsulation, dual-chamber and single-chamber solar panel production.

CNCGLASS · Product Photos

CNCGLASS solar silicone membrane sheet — product photographs for PV module laminator and vacuum heat-press EVA encapsulation.



Solar silicone membrane (roll)



Membrane sheet (second view)

CNCGLASS · Contact

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For quotations, samples, or bulk orders of solar silicone membrane sheet for PV module laminators and vacuum heat press EVA encapsulation (200–250 °C), please contact us by email or WhatsApp.