

CNCGLASS



CNCGLASS non-silicone rubber pressure pad (black roll with textured liner) — product photo from [source](#) page, watermarked.

CNCGLASS Product Catalog

Non-Silicone Rubber Pressure Pad 204 °C — Autoclave Caul Pad Flexible Mandrel and Rubber Tooling Sheet for Aerospace Composites

English

Uncured non-silicone rubber sheet for pressure-intensification caul pads, flexible mandrels, and rubber tooling. In autoclave cure it provides uniform pressure distribution; withstands high temperatures similar to silicone rubber but without silicone contamination; bonds well with tooling prepreg; no delamination-causing volatiles. Black; max use 204 °C; elongation at break 400% (ASTM D412); hardness 65 Shore A (ASTM D2240); tensile strength 1300 psi (8.96 MPa) (ASTM D412); shelf life 24 months from shipment at room temperature in original packaging — do not freeze. Standard size 1 m × 20 m × 1.6 mm ± 0.1 mm; 1 roll/box; custom sizes available.

CNCGLASS | www.cncglass.com

Product List Edition

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

CNCGLASS · Product List / Specifications

CNCGLASS non-silicone rubber pressure pad is an uncured non-silicone rubber used to make pressure-intensification / caul pads, flexible mandrels, and rubber tooling. In autoclave cure it provides uniform pressure distribution; it withstands high temperatures similar to silicone rubber but without silicone contamination; it bonds well with tooling prepreg and does not produce delamination-causing volatiles. Color: black. Max use temperature 204 °C. Standard roll: width 1 m × length 20 m × thickness 1.6 mm ± 0.1 mm; 1 roll/box. Custom sizes available from CNCGLASS on request.

Specifications below. Commercial terms available on request.

Product	Specifications	Packing	Application
Non-Silicone Rubber Pressure Pad 204 °C	Non-silicone rubber · black · 1 m × 20 m × 1.6±0.1 mm · 65 Shore A · 400%	1 roll / box	Caul pad / flexible mandrel / rubber tooling

Note: Non-silicone rubber pressure pad for autoclave caul pads, flexible mandrels, and rubber tooling up to 204 °C. Custom width / length / thickness available. 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 Non-Silicone Rubber Pressure Pad 204 °C

Key properties of CNCGLASS non-silicone rubber pressure pad for aerospace and industrial composites. Values below are published product facts for reference. Max use temperature 204 °C.

Property	Result	Note
Product type	Uncured non-silicone rubber sheet	Caul pad / mandrel / tooling
Material type	Non-silicone rubber	No silicone contamination
Color	Black	Product fact
Max use temperature	204 °C	Autoclave / oven
Elongation at break	400%	ASTM D412
Hardness	65 Shore A	ASTM D2240
Tensile strength	1300 psi (8.96 MPa)	ASTM D412
Width × length × thickness	1 m × 20 m × 1.6 mm ± 0.1 mm	Standard roll
Packing	1 roll / box	Non-full-box per order
Customization	Sizes on request	Custom available
Shelf life	24 months from shipment	Original packaging; room temperature
Storage	Do not freeze	Room temperature
Process	Autoclave pressure intensification	Aerospace / industrial composites

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

CNCGLASS · Process Guidance

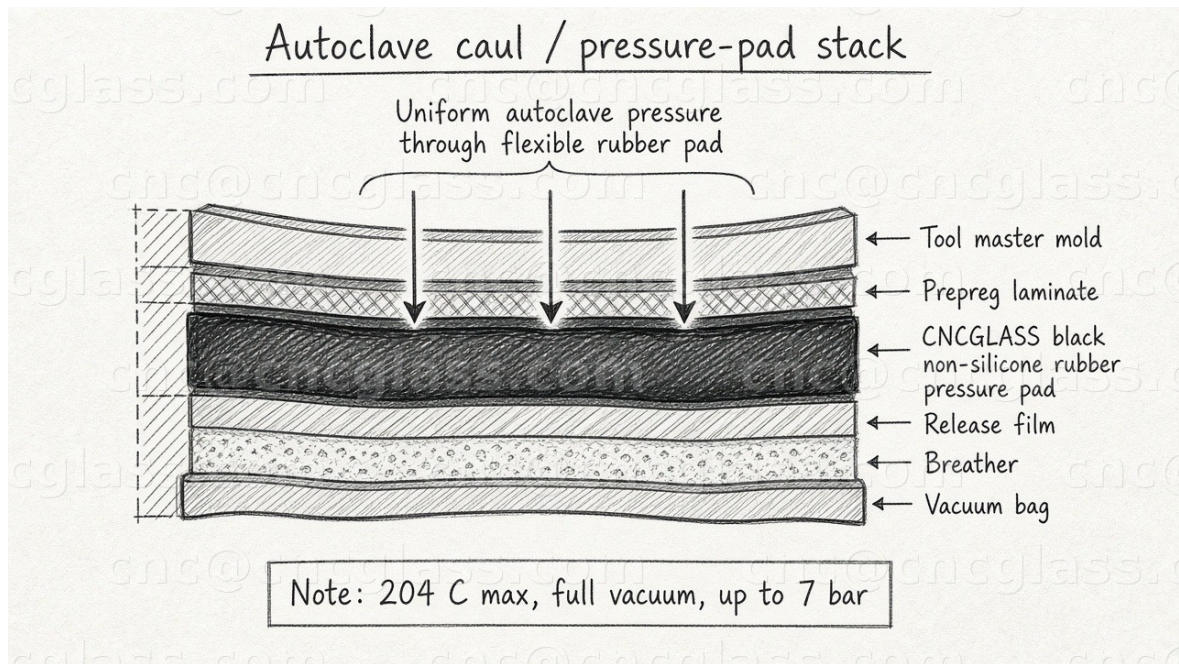
Throughout cure, use full vacuum. Raise autoclave pressure to 7 bar (minimum recommended 3 bar). Hold for at least 2 hours, then cool to room temperature, release vacuum, and demold from the master. When co-curing with prepreg: may heat to 145 °C ± 5 °C, hold 1 hour, then complete per the cure schedule. Guidance for CNCGLASS non-silicone rubber pressure pad use in aerospace and industrial composite shops.

CNCGLASS · Storage

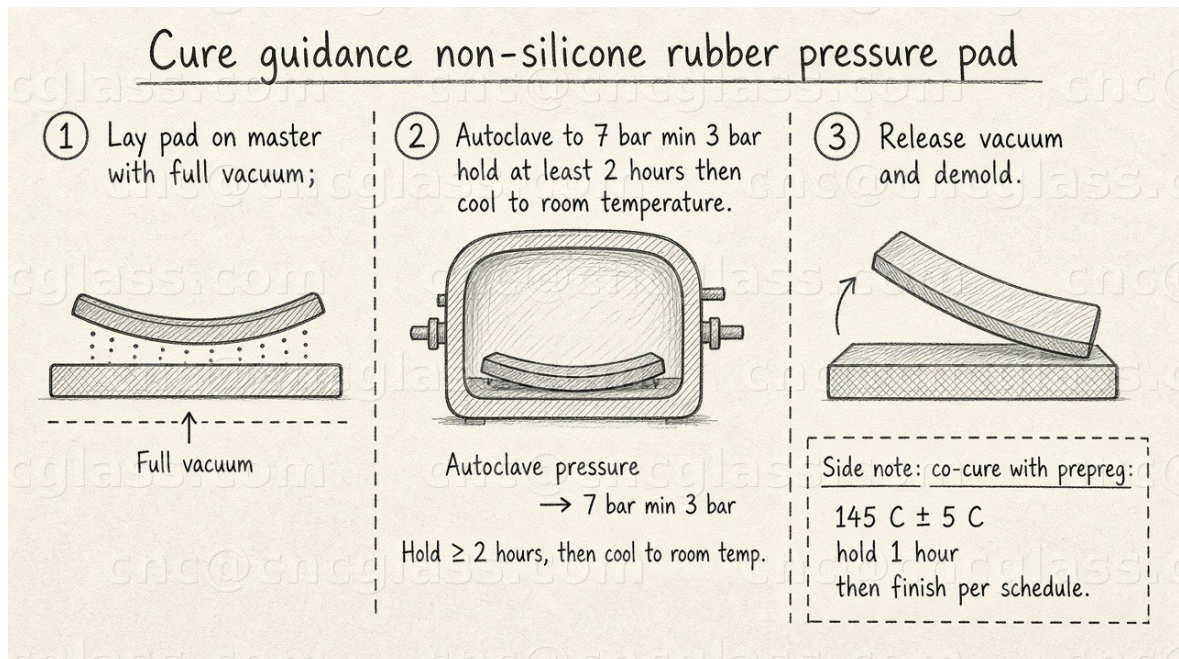
When stored in original packaging at room temperature, shelf life is 24 months from shipment. Do not freeze.

CNCGLASS · How It Works (Hand-Drawn Sketches)

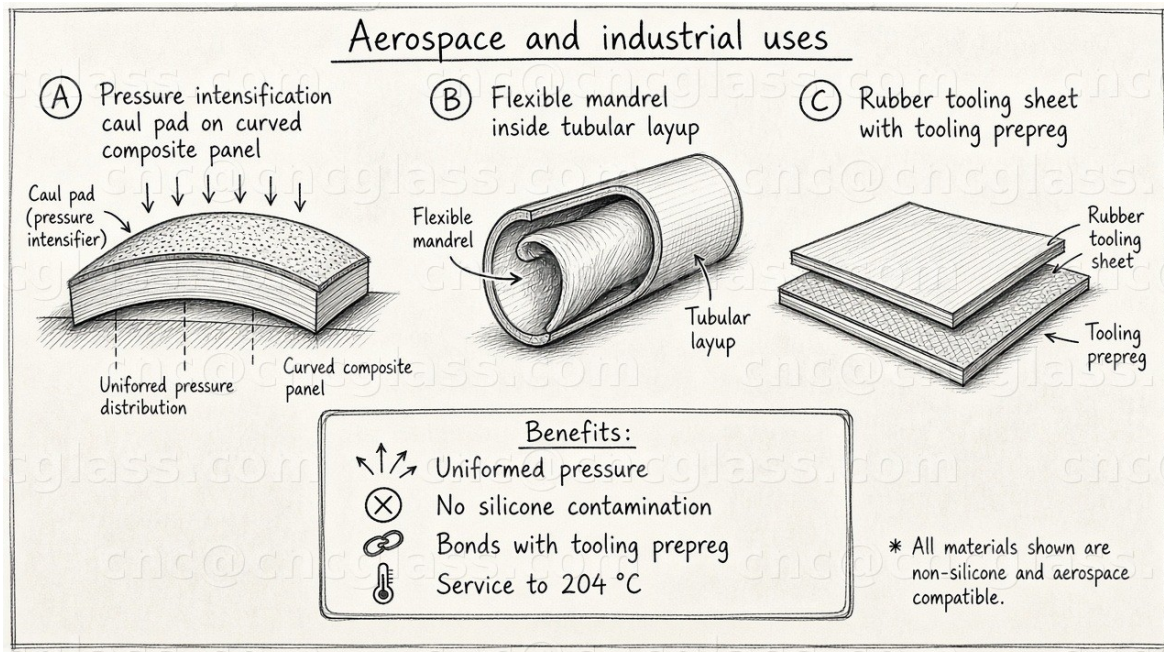
Educational hand-drawn sketches for composite shops. CNCGLASS non-silicone rubber pressure pad acts as a caul / pressure-intensification layer, flexible mandrel, or rubber tooling sheet in autoclave cure up to 204 °C — uniform pressure, no silicone contamination, good bond with tooling prepreg.



Autoclave caul / pressure-pad stack (hand-drawn sketch): CNCGLASS black non-silicone rubber pad distributes uniform pressure — service up to 204 °C.



Cure guidance (hand-drawn sketch): full vacuum; autoclave to 7 bar (min 3 bar); hold ≥ 2 h then cool and demold; co-cure option 145 °C ± 5 °C hold 1 h.



Aerospace and industrial uses (hand-drawn sketch): caul pad, flexible mandrel, and rubber tooling sheet — no silicone contamination; service to 204 °C.

CNCGLASS · Product Photos

Product photographs of CNCGLASS non-silicone rubber pressure pad (watermarked). [Source](#) page had one unique product shot (two CDN URLs identical); site logo and banner skipped. Below: full roll plus detail crops from that [source](#) photo (standing: use all usable product photos).



Full roll — black non-silicone rubber with textured liner



Textured liner close-up



Black rubber face / liner edge



Roll core / end detail

CNCGLASS · Contact

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For quotations, samples, or bulk orders of non-silicone rubber pressure pad for autoclave caul pads, flexible mandrels, and rubber tooling (up to 204 °C), please contact us by email or WhatsApp.