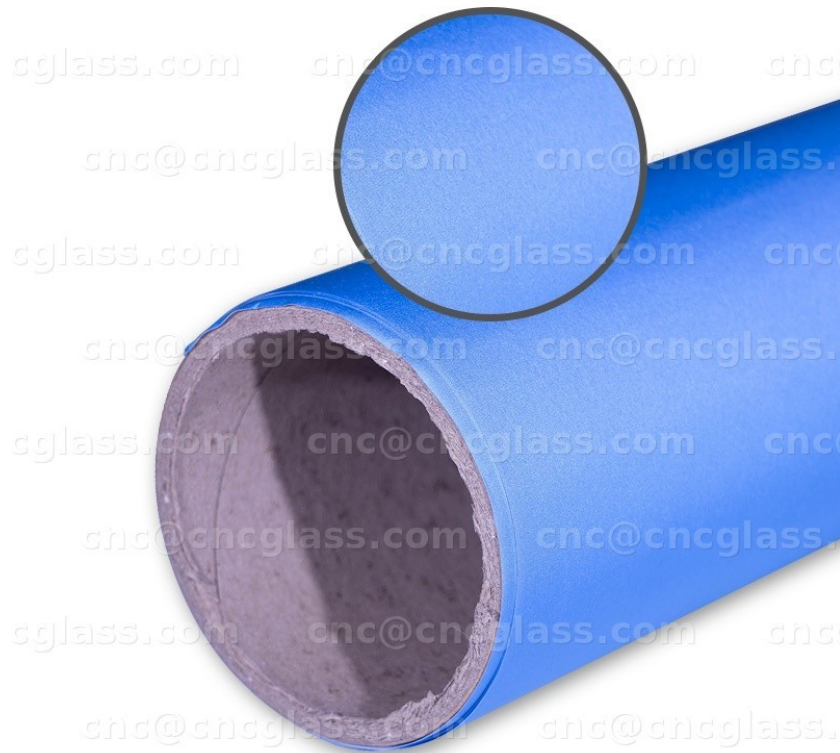


CNCGLASS



CNCGLASS semi-permeable VAP membrane 180 °C — light-blue roll with weave detail.

CNCGLASS Product Catalog

Semi-Permeable VAP Membrane 180 °C — Plain-Weave Nylon Vacuum Process Air-Permeable Resin-Barrier Film for Composites

English

Semi-permeable membrane for mold-side and bag-side venting in vacuum composite processes. Microporous plain-weave nylon lets air pass while retaining liquid resin — helping remove trapped air without resin outflow. Light-blue fiber face / white film face; areal weight 140 g/m²; thickness 0.22 mm; max use 180 °C; standard roll 1.47 m × 150 m (customizable). Store dry and clean at room temperature in original packaging; away from heat; avoid direct sun.

CNCGLASS | www.cncglass.com

Product List Edition

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

CNCGLASS · Product List / Specifications

CNCGLASS semi-permeable VAP membrane is a plain-weave nylon membrane for mold-side and bag-side venting in vacuum composite processes. Its microporous structure allows air to pass while preventing liquid resin outflow — helping remove trapped air and retain resin in the laminate. Color: light-blue fiber face / white film face. Areal weight 140 g/m²; thickness 0.22 mm; max use temperature 180 °C. Standard roll: width 1.47 m × length 150 m. Custom sizes available from CNCGLASS on request.

Specifications below. Commercial terms available on request.

Product	Specifications	Packing	Application
Semi-Permeable VAP Membrane 180 °C	Plain-weave nylon · 140 g/m ² · 0.22 mm · light-blue/white · 1.47 m × 150 m	Roll / custom	Mold-side / bag-side vacuum venting

Note: Semi-permeable VAP membrane for vacuum process air venting and resin retention up to 180 °C. Custom width / length 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 Semi-Permeable VAP Membrane 180 °C

Key properties of CNCGLASS semi-permeable VAP membrane for aerospace and industrial composites. Values below are published product facts for reference. Max use temperature 180 °C.

Property	Result	Note
Product type	Semi-permeable membrane	Mold-side / bag-side venting
Material	Plain-weave nylon	Microporous structure
Function	Air permeable / resin barrier	Retains liquid resin
Areal weight	140 g/m ²	Product fact
Thickness	0.22 mm	Product fact
Color	Light-blue fiber face / white film face	Dual-face
Max use temperature	180 °C	Vacuum process
Width × length	1.47 m × 150 m	Standard roll; customizable
Customization	Sizes on request	Custom available
Storage	Room temp, original packaging	No shelf-life limit stated
Storage notes	Dry, clean; away from heat; avoid direct sun	Product fact
Process	Vacuum bagging / vacuum process venting	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

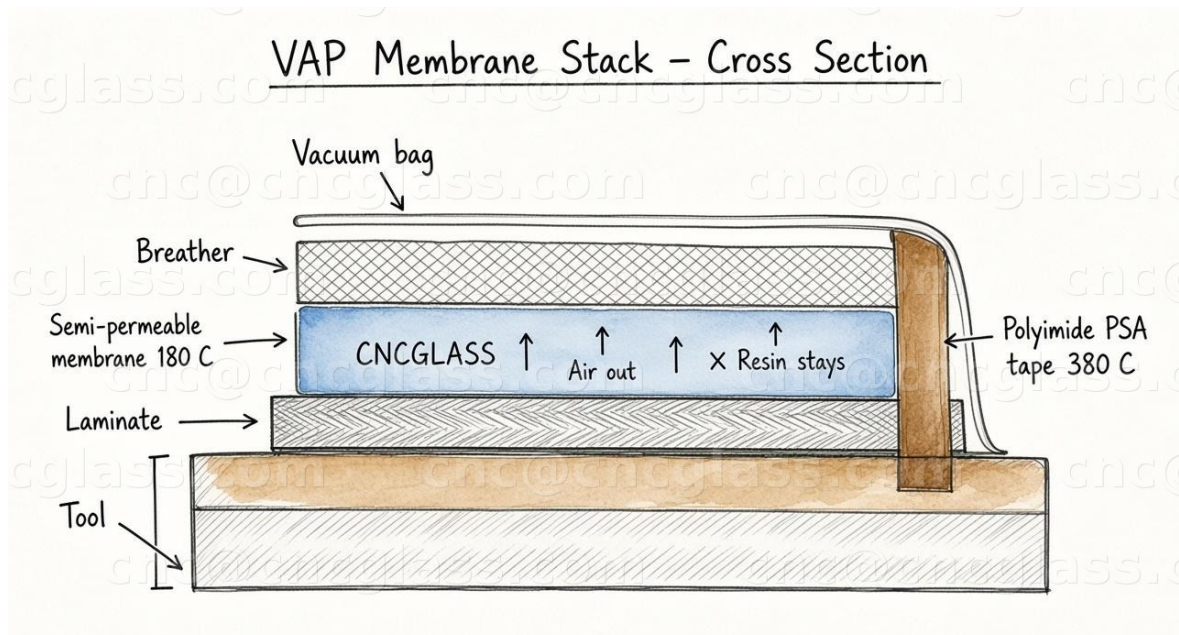
Place the semi-permeable membrane on the mold side and/or bag side as required by the vacuum process design so air can vent through the microporous structure while liquid resin remains in the laminate. Combine with breather, release film, and vacuum bag per your shop stack. Observe the 180 °C maximum use temperature. Guidance for CNCGLASS semi-permeable VAP membrane use in aerospace and industrial composite shops.

CNCGLASS · Storage

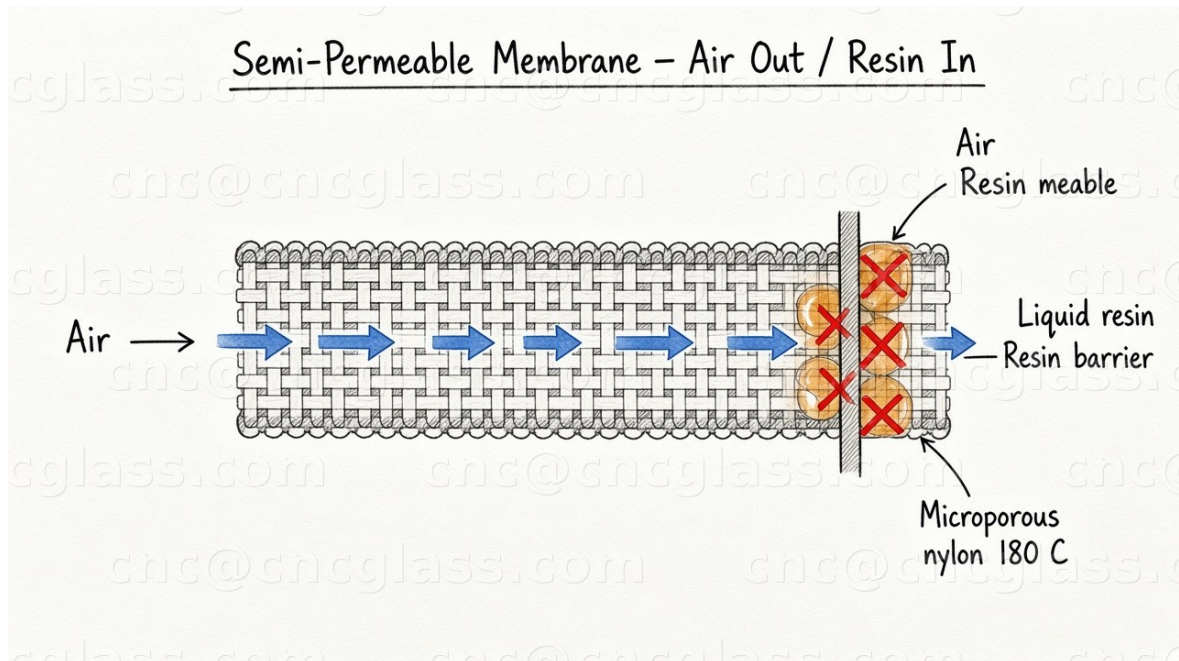
Store in original packaging at room temperature in a dry, clean environment. No shelf-life limit is stated for original packaging at room temperature. Keep away from heat sources and avoid direct sunlight.

CNCGLASS · How It Works (Hand-Drawn Sketches)

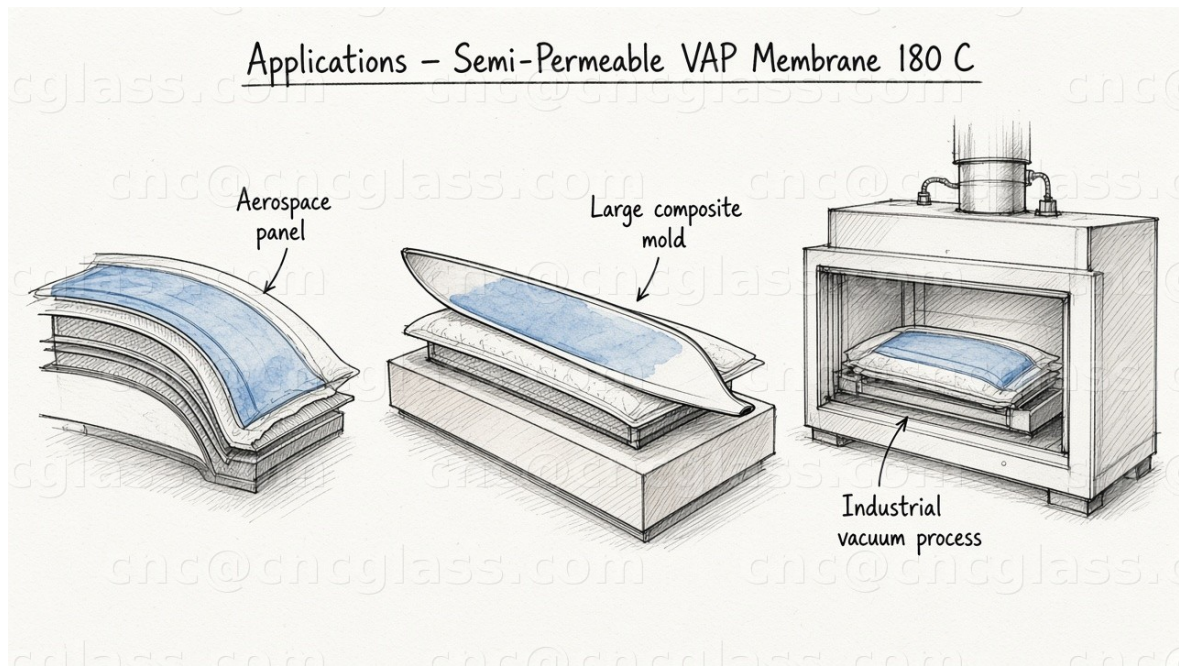
Educational hand-drawn sketches for composite shops. CNCGLASS semi-permeable VAP membrane vents air on the mold side or bag side while retaining liquid resin — microporous plain-weave nylon up to 180 °C.



Vacuum process stack (hand-drawn sketch): CNCGLASS semi-permeable membrane vents air while resin stays — service up to 180 °C.



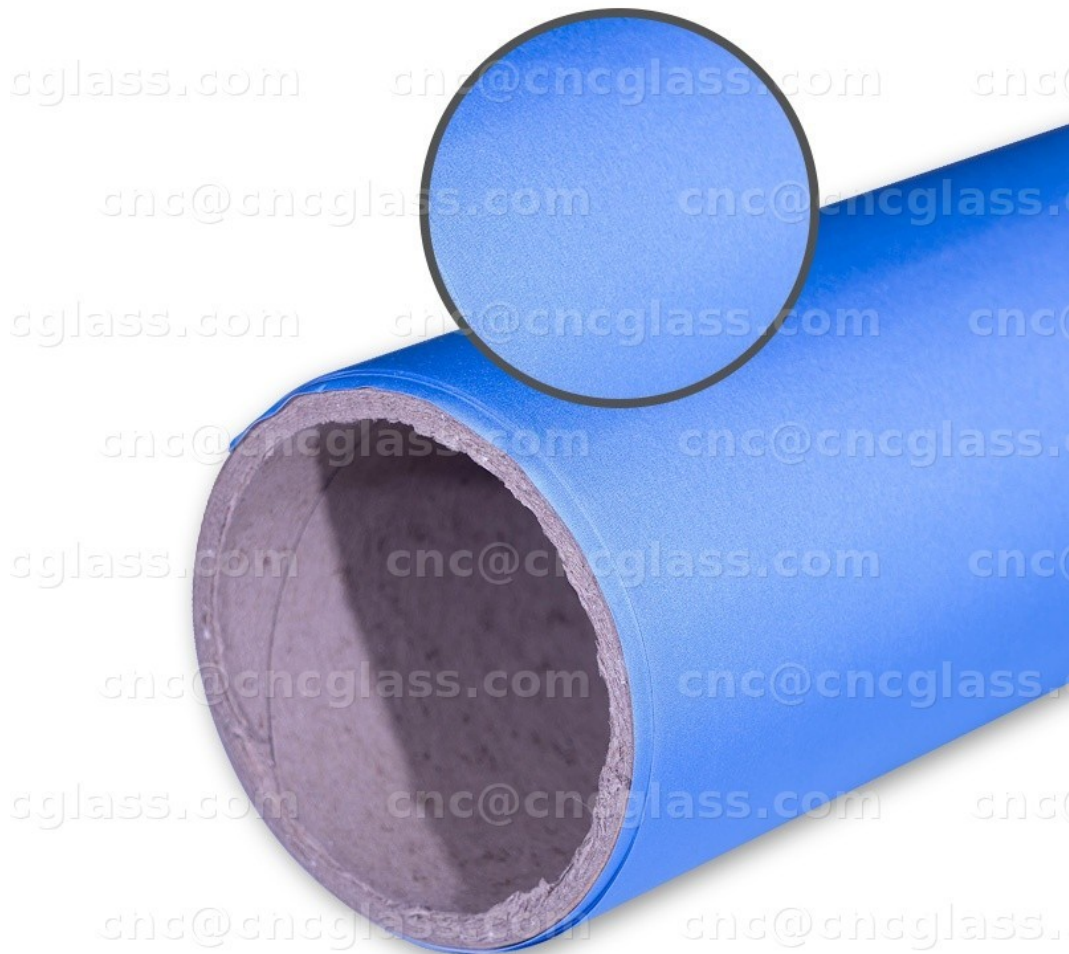
Air-permeable / resin-barrier principle (hand-drawn sketch): microporous plain-weave nylon lets air through and blocks liquid resin.



Aerospace and industrial uses (hand-drawn sketch): panel bagging, large composite molds, and industrial vacuum processes — up to 180 °C.

CNCGLASS · Product Photos

Product photographs of CNCGLASS semi-permeable VAP membrane 180 °C (watermarked).



Light-blue roll — plain-weave nylon semi-permeable membrane



Light-blue fiber face / white film face



Plain-weave nylon fiber face close-up

CNCGLASS · Contact

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For quotations, samples, or bulk orders of semi-permeable VAP membrane for vacuum process air venting and resin retention (up to 180 °C), please contact us by email or WhatsApp.