CNCGLASS

CNCGLASS Vacuum Process Materials — Product Summary & Price Reference Sheet

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Multilayer Polyester–Nylon Vacuum Bagging Film 160 °C — Oven Cure Vacuum Bag Film

Overview

A tough multilayer vacuum bagging film engineered for oven curing up to 160 °C. High elongation and tensile strength help the bag follow complex contours while holding vacuum integrity across glass lamination. Compatible with common epoxy, polyester, and vinyl ester resin systems used in vacuum bagging and infusion.

Key points

- Service temperature up to 160 °C for oven vacuum bagging cycles
- Multilayer polyester–nylon construction for puncture resistance and barrier performance
- Typical thicknesses 50 / 65 / 75 µm; widths up to 12 m; tube, sheet, or centerfold supply
- Yellow film for clear visual coverage checks on large tools
- Custom thickness and roll format available on request

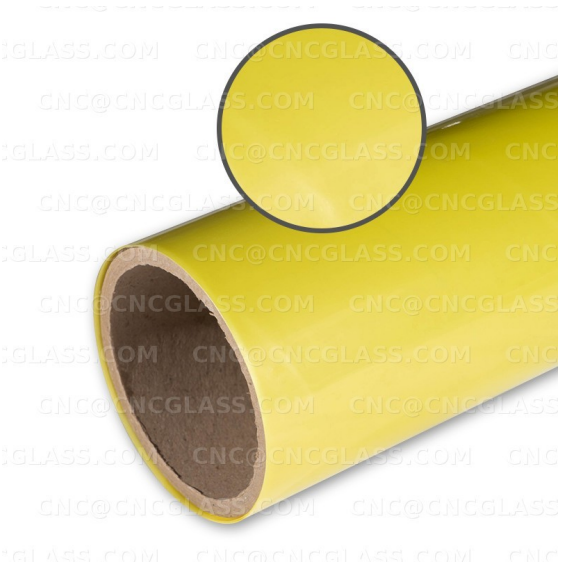
Typical specifications

Parameter	Value
Material	Polyester–nylon multilayer film
Thickness options	50 µm / 65 µm / 75 µm
Max width	Up to 12 m
Supply forms	Tube, sheet, centerfold
Elongation at break	Approx. 450% (ASTM D882)
Tensile strength	Approx. 45 MPa (ASTM D882)
Max use temperature	160 °C
Color	Yellow

Storage & handling

Store dry and away from direct sunlight. Keep rolls on a smooth surface free of sharp objects. Handle gently to avoid pinholes; protect the film face during layup.

Product photos



Yellow multilayer vacuum bagging film roll



Vacuum bagging film unroll view

Pricing

Popular roll size: 65 µm × 1.5 m (center-folded; unfolds to 3 m) × 85 m/roll — Please contact cnc@cncglass.com for pricing.
Popular roll size: 65 µm × 2.0 m (center-folded; unfolds to 4 m) × 75 m/roll — Please contact cnc@cncglass.com for pricing.

For other sizes, please contact cnc@cncglass.com.

Synthetic Rubber Vacuum Bag Sealant Tape 200 °C — Vacuum Infusion & Prepreg Mold Edge Seal

Overview

An economical synthetic-rubber sealant tape used to seal vacuum bag film to the mold flange. It is intended for use from room temperature up to 200 °C and is widely applied in vacuum infusion and prepreg molding. The seal remains reliable through the cycle, and after cure the tape peels away from the mold without difficulty.

Key points

- Rated for process use from room temperature up to 200 °C
- Reliable edge sealing for vacuum infusion and prepreg molding
- Peels readily from the mold after the cure cycle
- Typical size 3 mm × 12 mm × 15 m; custom width and length available
- Yellow bead for easy visual inspection of seal lines

Typical specifications

Parameter	Value
Material	Synthetic rubber sealant
Typical size	3 mm × 12 mm × 15 m
Packaging	20 rolls / carton (typical)
Color	Yellow
Max use temperature	200 °C
Shelf life	12 months from manufacture (sealed pack)
Storage	Unopened pack; dry; ventilated; ≤ 30 °C; stack ≤ 5 cartons flat

Storage & handling

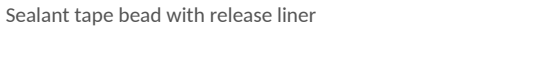
Keep in the original unopened packaging, protected from moisture, in a dry, ventilated place at or below 30 °C. Use within 12 months of manufacture. Store cartons flat; do not stack more than five high.

Product photos





Yellow vacuum bag sealant tape roll



Sealant tape bead with release liner

Pricing

Popular size: 3 mm × 12 mm × 15 m/roll — 20 rolls/carton — Please contact cnc@cncglass.com for pricing.

For other sizes, please contact cnc@cncglass.com.

Silicone-Coated Nylon Peel Ply 204 ℃ — Vacuum Infusion, Hand Lay-Up & Prepreg Release Fabric

Overview

A silicone-coated nylon peel ply that releases more readily in resin-rich or difficult demold conditions. Suitable for vacuum infusion, hand lay-up, and prepreg stacks up to 204 ℃. After cure it leaves a fine textured surface that can reduce grinding before secondary bonding or coating. Coated peel plies may transfer; qualify for critical bonding surfaces.

Key points

- Silicone release coating for easier strip after cure
- Service temperature up to 204 ℃
- Typical areal weight about 62 g/m²; thickness about 0.11 mm
- Standard roll about 1.52 m × 91 m; custom widths and lengths available
- Blue fabric for high visibility in the bag stack

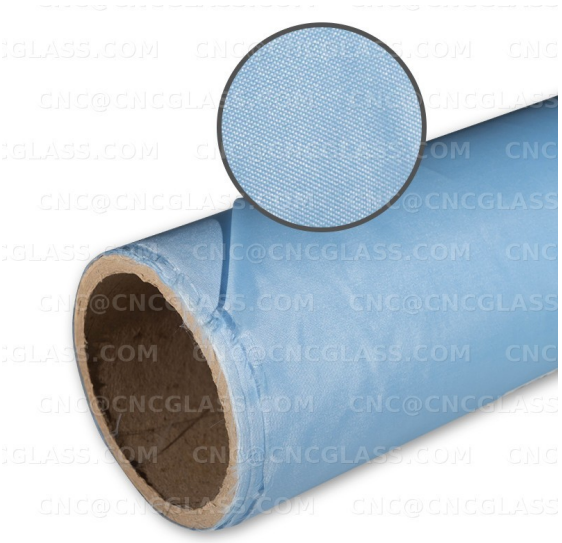
Typical specifications

Parameter	Value
Material	Nylon fabric with silicone release coating
Areal weight	Approx. 62 g/m²
Thickness	Approx. 0.11 mm
Typical roll	1.52 m × 91 m
Max use temperature	204 ℃
Color	Blue
Processes	Vacuum infusion, hand lay-up, prepreg

Storage & handling

Store in a clean, dry, ventilated warehouse. Stack neatly; avoid crushing or damage. Keep at least 2 m from heaters and hot equipment. Recommended storage period up to 2 years.

Product photos





Blue silicone-coated nylon peel ply roll

Peel ply fabric close-up

Pricing

Popular roll size: 1.52 m × 91 m/roll — Please contact cnc@cncglass.com for pricing.

For other size, please contact cnc@cncglass.com

Polyolefin Release Film 158 °C — Perforated or Non-Perforated Vacuum Bagging Film for Prepreg & Carbon Plate

Overview

A cost-effective polyolefin release film for mid- and low-temperature vacuum processes up to 158 °C. Applied against the layup back face, it separates the laminate from breather layers and promotes a smooth release after cure. Suited to epoxy, vinyl ester, and polyester systems; perforated and non-perforated options support infusion and prepreg / carbon-plate work.

Key points

- Rated heat resistance up to 158 °C
- Typical thickness 40 µm; width about 1.5 m; sheet supply
- High elongation for conforming over curved parts
- Perforated or non-perforated — specify hole pattern when ordering
- Red film for easy identification in the consumables stack

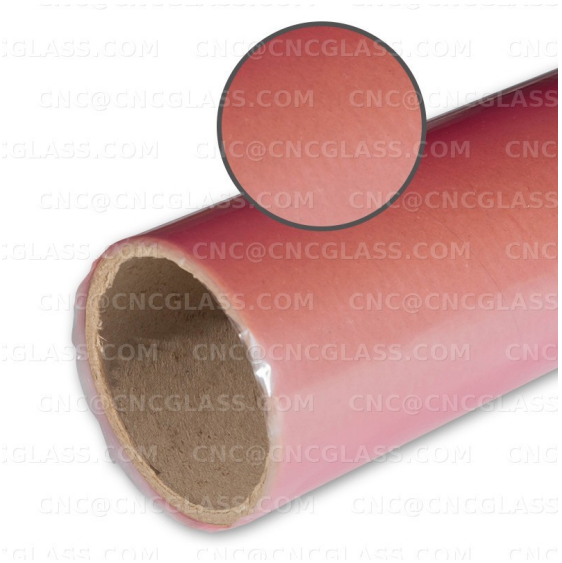
Typical specifications

Parameter	Value
Material	Polyolefin
Thickness	Approx. 40 µm
Typical width	1.5 m
Supply form	Sheet
Elongation at break	Approx. 480%
Tensile strength	Approx. 16 MPa
Max use temperature	158 °C
Color	Red
Options	Perforated or non-perforated; custom width/length

Storage & handling

Store dry and away from sunlight. Recommended humidity about 65±20% RH and temperature 5–30 °C. Keep away from sharp objects; handle gently. Storage period typically up to 2 years.

Product photos



Red polyolefin release film roll



Release film surface close-up

Pricing

Popular roll size: 1.5 m × 300 m/roll — Please contact cnc@cncglass.com for pricing.

For other sizes, please contact cnc@cncglass.com.

Polyester Breather Felt 340 g/m² 204 °C — High-Pressure Vacuum Bag Cushion & Resin Bleeder

Overview

A heavy nonwoven polyester breather felt for high-pressure vacuum bagging and prepreg work. Isotropic air paths support uniform evacuation; high elongation helps cushion sharp radii and protect the bag film. In wet and prepreg processes it also absorbs excess resin so laminate quality stays under control.

Key points

- Areal weight about 340 g/m² for robust air paths and resin uptake
- Service temperature up to 204 °C
- Nonwoven structure with good stretch over corners and contours
- Typical roll about 1.52 m × 46 m; custom widths and lengths available
- White felt for clean visual layup checks

Typical specifications

Parameter	Value
Material	Nonwoven polyester felt
Areal weight	Approx. 340 g/m²
Typical roll	1.52 m × 46 m
Max use temperature	204 °C
Color	White
Functions	Breather / bleeder / bag cushion

Storage & handling

Keep in original packaging in a dry location until use.

Product photos



White polyester breather felt roll



Breather felt texture close-up

Pricing

Popular roll size: 1.52 m × 46 m/roll — Please contact cnc@cncglass.com for pricing.

For other sizes, please contact cnc@cncglass.com.

High-Temperature Polyester PSA Tape 204 °C — Oven & Autoclave Vacuum Bag Holding Tape

Overview

A high-tensile polyester pressure-sensitive tape for oven and autoclave vacuum bagging up to 204 °C. Used to hold breather, release film, peel ply, and bag film in position during layup. Strong bond during cure with low residue for easier cleanup. High-visibility blue helps operators confirm placement before closing the bag.

Key points

- Service temperature up to 204 °C for oven and autoclave cycles
- High tensile strength (about 135 N / 25 mm) with controlled elongation
- Typical widths 25.4 mm and 50.8 mm × 66 m
- Low residue after cure for cleaner demold and rework
- Blue polyester carrier for visual process control

Typical specifications

Parameter	Value
Material	Polyester carrier with pressure-sensitive adhesive
Typical widths	25.4 mm / 50.8 mm
Typical length	66 m
Tensile strength	Approx. 135 N / 25 mm
Elongation at break	Approx. 70%
Max use temperature	204 °C
Color	Blue
Shelf life	18 months (dry, away from heat)

Storage & handling

Store in a dry, clean area away from heaters and hot equipment. Typical shelf life 18 months.

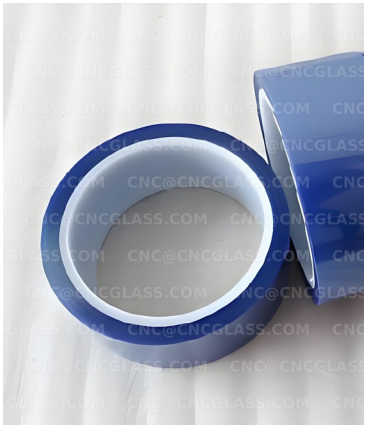
Product photos



Blue high-temperature polyester PSA tape roll



PSA tape application / roll view



PSA tape close-up

Pricing

Popular roll size: 25.4 mm × 66 m/roll — Please contact cnc@cncglass.com for pricing.
Popular roll size: 50.8 mm × 66 m/roll — Please contact cnc@cncglass.com for pricing.

For other sizes, please contact cnc@cncglass.com.

CNCGLASS · Contact

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Document date: 2026-11-04 (Asia/Shanghai). English product summary for quotation use.