CNCGLASS

CNCGLASS HPL silicone cushion pad (rolled) — FRR fiber-reinforced rubber buffer membrane for HPL / fire-resistant board hot press, 250 °C.

CNCGLASS Product Catalog

HPL Silicone Cushion Pad 250 °C — High-Pressure Laminate Fire-Resistant Board Hot Press FRR Fiber-Reinforced Rubber Buffer Membrane for HPL CCL Lamination Replacing Kraft Paper

English

High-temperature FRR (fiber-reinforced rubber) cushion pad for HPL / fire-resistant board and paper-based CCL hot presses — glass cloth + rubber porous buffer; max 250 °C; thickness tolerance ±0.05 mm; single- or multilayer; even pressure and heat transfer; reusable alternative to kraft / wood-pulp cushion paper; ISO9001 / CE / SGS; MOQ 100 m²; lead time 3–7 days.

CNCGLASS | www.cncglass.com

Product List Edition

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

CNCGLASS · Product List / Specifications

CNCGLASS HPL silicone cushion pad is a heat-resistant FRR (fiber-reinforced rubber) buffer membrane for high-pressure laminate (HPL) / fire-resistant board and paper-based CCL hot presses. Woven heat-resistant fiber with a glass-cloth + rubber porous structure provides cushioning, high-pressure durability, and stable heat/pressure transfer — a reusable alternative to kraft / wood-pulp cushion paper. Published facts: max heat resistance 250 °C; thickness tolerance ±0.05 mm; uniform pressure distribution; good wear resistance; body strength holds under heat without stretch. Available as single-layer or multilayer (surface material + FRR core; multilayer with adhesive between cores; may be combined with rubber or other materials on request). Custom sizes from CNCGLASS.

Specifications below. Commercial terms available on request.

Product	Specifications	Packing	Application
HPL Cushion — Single-layer FRR 250 °C	Glass cloth + rubber FRR · ±0.05 mm tol. · even pressure · 250 °C	Sheet / roll	HPL / fire-resistant board hot press (replacing kraft paper)
HPL Cushion — Multilayer FRR 250 °C	Stacked FRR cores + adhesive · ±0.05 mm tol. · even pressure · 250 °C	Sheet / roll	HPL / CCL multi-opening press · decorative laminate lines

Note: High-temp HPL FRR silicone cushion pad, 250 °C. Single- or multilayer; glass cloth + rubber; thickness tolerance ±0.05 mm. Thickness in mm is custom / not fixed in published facts — please enquire. 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 HPL Silicone Cushion Pad 250 °C

Key published properties of CNCGLASS HPL silicone cushion pad for high-pressure laminate / fire-resistant board and CCL hot presses. Descriptive construction names only — no supplier model codes. Values below are public product facts for reference. Thickness in mm is custom / not fixed in published facts — please enquire.

Construction	Core	Surface	Thickness tol.	Pressure dist.	Wear	Heat stretch	Temp °C	Format
Single-layer FRR	Glass cloth + rubber	Surface both sides	±0.05 mm	Uniform	Good	No stretch	250	Sheet / roll
Multilayer FRR	Stacked FRR + adhesive	Surface both sides	±0.05 mm	Uniform	Good	No stretch	250	Sheet / roll

Property	Result	Note
Product type	HPL FRR silicone cushion / heat-resistant buffer pad	HPL / CCL hot press
Construction	FRR — glass cloth + rubber (porous)	Fiber-reinforced rubber
Single-layer	Surface + FRR core + surface	250 °C
Multilayer	Stacked FRR cores with adhesive	250 °C; on request
Max heat resistance	250 °C	Published max rating
Thickness tolerance	±0.05 mm	Published fact
Thickness (mm)	Custom / on request	Not fixed in published facts
Pressure distribution	Uniform	Even platen transfer
Wear resistance	Good	Published fact
Under heat	Body strength stable; no stretch	Published fact
vs kraft paper	Reusable; long life; balanced heat/pressure; low static	Replaces wood-pulp pads
Typical process window (illustration)	~190–240 °C · up to ~10 MPa	Process chart only — not a rated limit
Install position	Between heated platen and HPL / CCL stack	Cushion & protect
Process role	Even heat/pressure; replace kraft cushion paper	Raise yield / uptime
Certifications	ISO9001, CE, SGS	As published
MOQ / lead time	100 m² · 3–7 days	Commercial note
Customization	Size / single or multilayer / combinations on request	Custom available

Datasheet values are typical published facts and may vary by batch. The ~190–240 °C / ~10 MPa process window is an illustrative comparison chart only, not a certified rating — rated max heat resistance remains 250 °C. Please contact us for the latest test reports.

CNCGLASS · Features

- Rated max heat resistance 250 °C for HPL / fire-resistant board and CCL hot press.
- FRR fiber-reinforced rubber: glass cloth + rubber porous buffer; single- or multilayer.
- Thickness tolerance ±0.05 mm; uniform pressure distribution; good wear resistance; body strength holds under heat without stretch.
- Reusable alternative to kraft / wood-pulp cushion paper — long life, balanced heat and pressure transfer, stable thickness rebound, easy changeover, low static, non-toxic in press use.
- Supports automation / shorter downtime vs kraft paper stacks; suitable for multi-opening presses.
- ISO9001 / CE / SGS; MOQ 100 m^2; lead time 3–7 days.

CNCGLASS · Applications

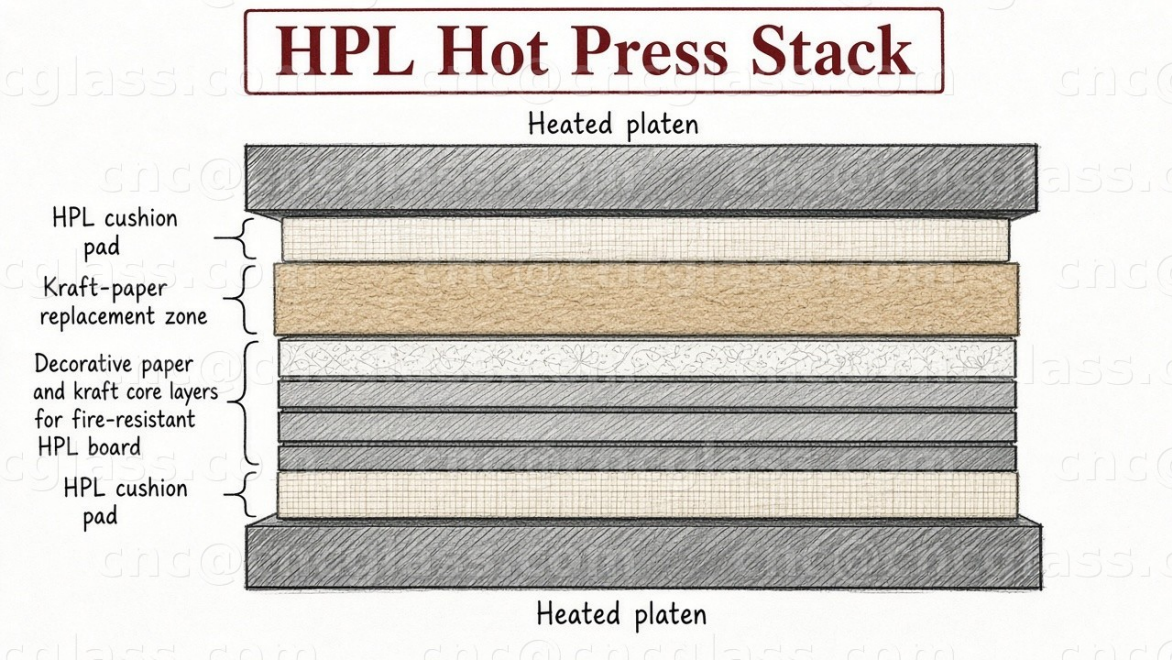
- HPL / fire-resistant board high-pressure lamination (replacing kraft cushion paper).
- Paper-based CCL (copper-clad laminate) hot press lines.
- Decorative high-pressure laminate panels for furniture, walls, and interiors.
- Multi-opening HPL / laminate hot presses needing a high-temp FRR cushion pad.
- Any laminated board press where even heat/pressure transfer and reusable cushioning improve yield and uptime.

CNCGLASS · Storage

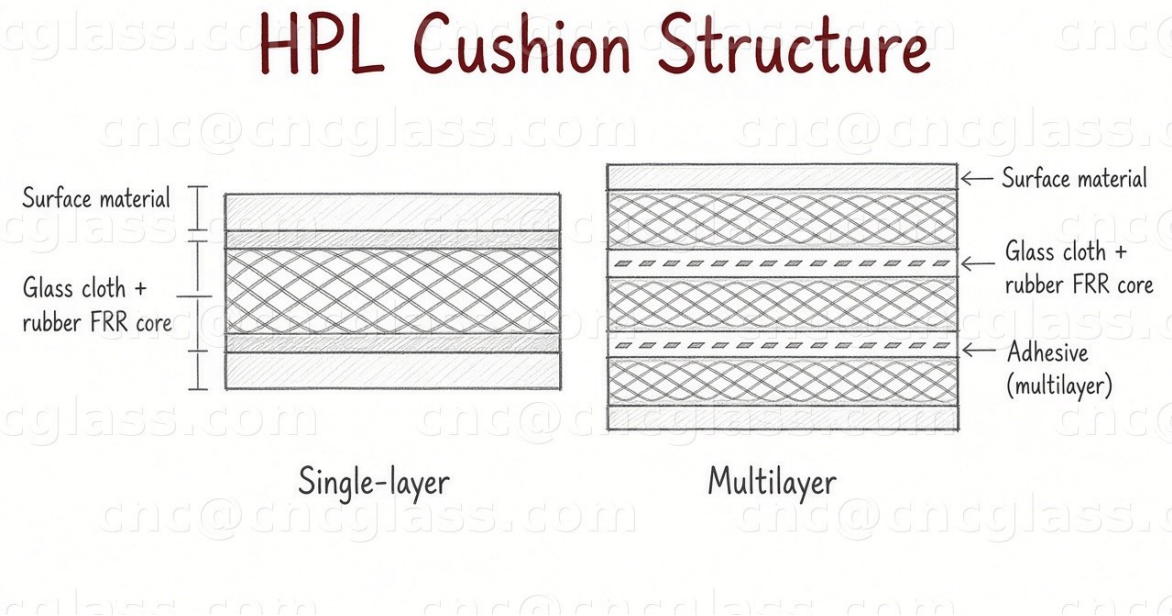
Store in a dry, clean environment. Keep away from heat sources. Do not expose to direct sunlight. Avoid sharp folds that can crease the cushion sheet. Protect edges from cuts and abrasion. Keep sheets clean before placing against platens or laminate stacks.

CNCGLASS · How It Works (Hand-Drawn Sketches)

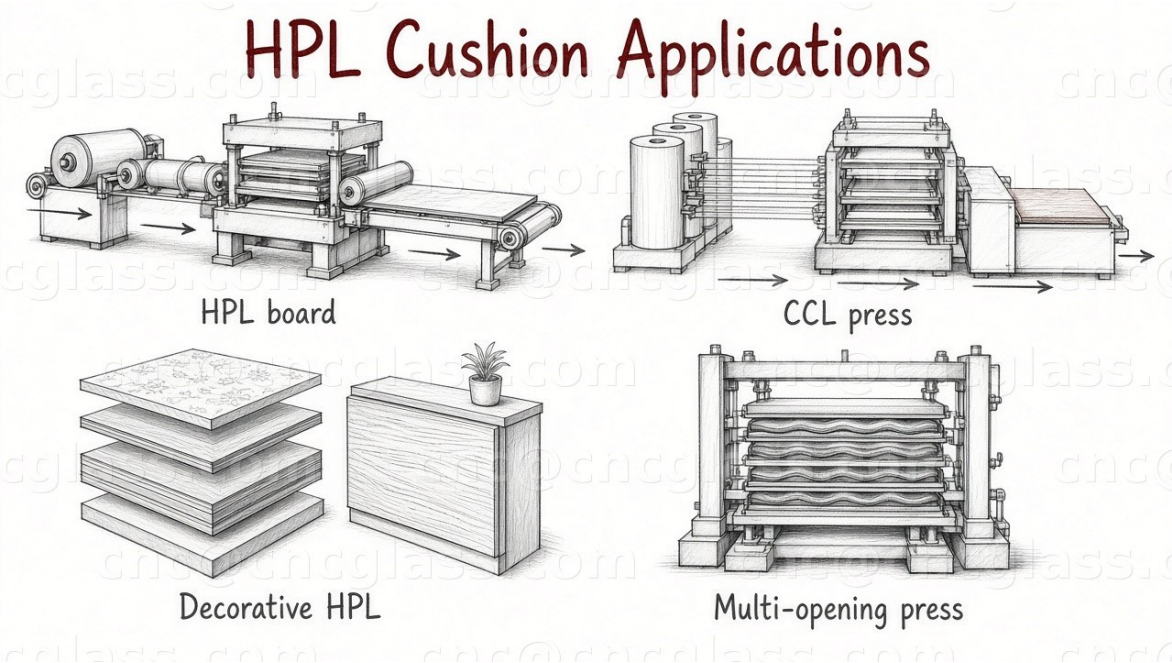
Educational hand-drawn sketches for HPL / CCL shops. CNCGLASS HPL silicone cushion pads sit between the heated platen and the laminate stack. The FRR glass-cloth + rubber structure (250 °C) equalizes heat and pressure, replaces kraft cushion paper, and helps protect platens and boards — for fire-resistant HPL, decorative laminate, and paper-based CCL production.



HPL hot-press stack (hand-drawn sketch): heated platen → HPL cushion pad → decorative / kraft HPL core layers → HPL cushion pad → heated platen; pad replaces kraft cushion paper and equalizes heat and pressure.



Structure (hand-drawn sketch): surface material – glass cloth + rubber FRR core – surface material; single-layer or multilayer with adhesive; 250 °C.



Applications (hand-drawn sketch): HPL fire-resistant board, paper-based CCL press, decorative HPL panels, and multi-opening hot press with cushion pads.

CNCGLASS · Product Photos

CNCGLASS HPL silicone cushion pad — rolled sheet, folded edge with FRR core, and woven surface texture. Rated 250 °C for HPL / CCL hot-press buffer use.

Rolled HPL cushion pad

Folded edge — FRR core visible

Woven surface texture

CNCGLASS · Contact

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For quotations, samples, or bulk orders of HPL silicone cushion pad (250 ℃; FRR glass cloth + rubber; single- or multilayer; kraft-paper replacement buffer) for HPL / fire-resistant board and CCL hot press — please contact us by email or WhatsApp.