CNCGLASS

CNCGLASS ultra-clear structural ionoplast laminated glass sample — high-transparency multi-ply safety glass membrane.

CNCGLASS Product Catalog

Ultra-Clear Structural Ionoplast Interlayer Film — High-Transparency SGP-Type Laminated Glass Membrane for Curtain Walls Skylights Glass Fins Walkways PV Multi-Ply Safety Glass

English

Ultra-clear structural ionoplast interlayer film (SGP-type) for multi-ply laminated safety glass — high light transmittance, low haze, low yellowing; claimed rigidity about 100× PVB and hardness about 5× PVB; no plasticizer; for curtain walls, skylights, glass fins, walkways, PV modules, and transport observation glazing. Thicknesses 0.76 / 0.89 / 1.14 / 1.52 mm.

CNCGLASS | www.cncglass.com

Product List Edition

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

CNCGLASS · Product List / Specifications

CNCGLASS ultra-clear structural ionoplast interlayer film is an SGP-type laminated-glass membrane for high-transparency multi-ply safety glass. Compared with ordinary interlayers in thick stacks, the ultra-clear grade targets high light transmittance, low haze, and low yellowing so glass fins, walkways, curtain walls, and skylights keep a near-invisible look with structural strength. Published claims: rigidity about 100× PVB; hardness about 5× PVB; no plasticizer (helps resist aging yellowing and edge delamination). Strong adhesion to stainless steel and aluminum supports frameless all-glass structures. Typical thicknesses: 0.76 / 0.89 / 1.14 / 1.52 mm. Custom widths and roll lengths available from CNCGLASS on request.

Optical grade table below (published facts). Quotations and commercial terms available on request.

Product	Specifications	Packing	Application

Ultra-Clear Ionoplast Interlayer — Standard structural	0.76 / 0.89 / 1.14 / 1.52 mm · high T% · low haze · low yellowing · ~100× PVB rigidity	Roll / sheet	Curtain wall · skylight · glass fin / walkway
Ultra-Clear Ionoplast Interlayer — Multi-ply / PV / transport	Same optical grades · thick multi-ply stacks · metal-bond friendly · no plasticizer	Roll / sheet	PV laminated modules · transport observation windows

Note: Ultra-clear structural ionoplast (SGP-type) interlayer film. Optical thicknesses 0.76 / 0.89 / 1.14 / 1.52 mm. No continuous heat-resistance °C is published — process recipes are project-specific. Please contact us for quotations, samples, and lamination guidance.

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 Ultra-Clear Structural Ionoplast Interlayer

Published optical grades for CNCGLASS ultra-clear structural ionoplast interlayer film (SGP-type). Descriptive grade names only — no supplier model codes. Values below are public product facts for reference.

Grade	Thickness mm	Transmittance	Haze	Yellowing index	Notes
Ultra-clear	0.76	>90%	<0.15	<0.1	High T% / low haze
Ultra-clear	0.89	>90%	<0.15	<0.1	High T% / low haze
Ultra-clear	1.14	>89.5%	<0.2	<0.12	Thick multi-ply stacks
Ultra-clear	1.52	>89%	<0.25	<0.12	Thick multi-ply stacks

Property	Result	Note
Product type	Ultra-clear structural ionoplast interlayer film	SGP-type membrane
Optical grade	Ultra-clear / high-transparency	Multi-ply stacks
Thicknesses	0.76 / 0.89 / 1.14 / 1.52 mm	Published table
Transmittance	>90% (0.76/0.89); >89.5% (1.14); >89% (1.52)	Published
Haze	<0.15 / <0.15 / <0.2 / <0.25	By thickness
Yellowing index	<0.1 / <0.1 / <0.12 / <0.12	By thickness
Rigidity vs PVB	About 100× PVB (published claim)	Structural
Hardness vs PVB	About 5× PVB (published claim)	Structural
Plasticizer	None (published)	Edge / aging stability
Metal adhesion	Stainless steel & aluminum	Frameless all-glass
Impact / safety	Hurricane- and ballistic-class claims (published)	As published
Post-break behavior	Stand-up / residual integrity	Published claim
Heat rating °C	Not stated	Do not invent
Example roll hint	0.76 × 1220 × 200 m (meta hint)	Custom on request
Customization	Width / length / thickness on request	CNCGLASS

Datasheet values are typical published facts and may vary by batch. Please contact us for the latest test reports (TDS, MSDS, and lab data).

CNCGLASS · Features

- Ultra-clear / high-transparency ionoplast interlayer for multi-ply laminated safety glass.
- Optical thicknesses 0.76 / 0.89 / 1.14 / 1.52 mm with published transmittance, haze, and yellowing index.
- Published structural claims: rigidity about 100× PVB; hardness about 5× PVB — thinner glass or higher wind load at equal thickness.
- No plasticizer — helps resist aging yellowing and edge delamination versus plasticized films.

- Strong adhesion to stainless steel and aluminum for frameless all-glass structures.
- Post-break stand-up / residual integrity claim — holds laminated panes after tempered glass breakage.
- SGP-type descriptive category for structural laminated glass (CNCGLASS ionoplast wording).

CNCGLASS · Applications

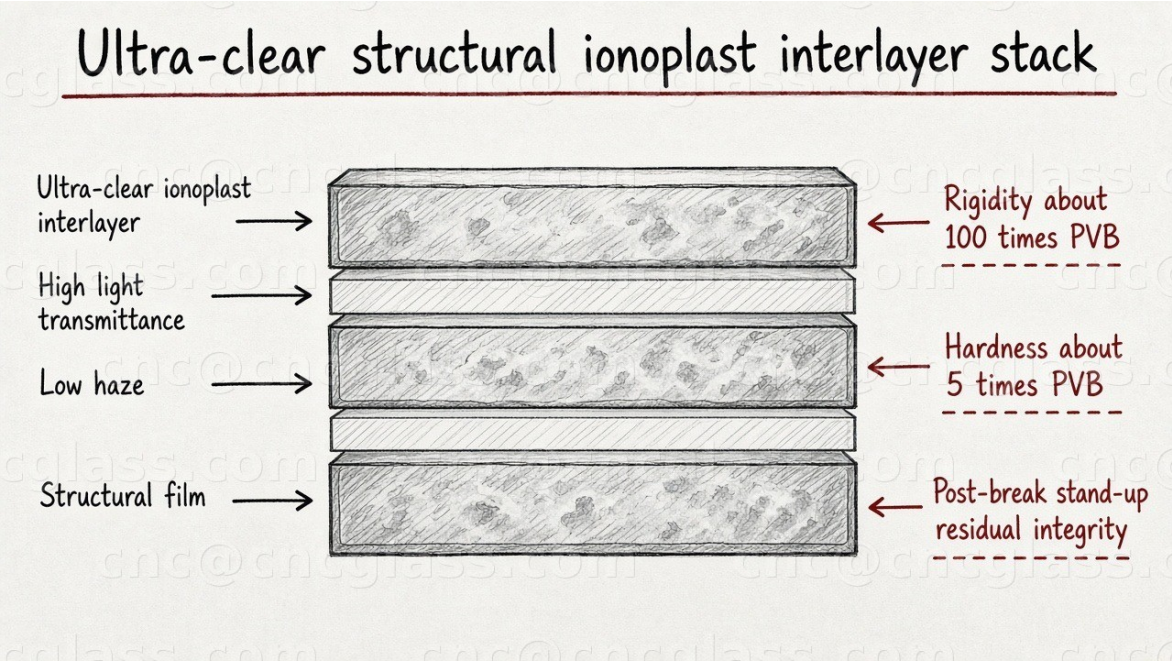
- Architectural curtain-wall laminated glass needing high clarity and structural stiffness.
- Roof skylights and overhead daylighting with multi-ply safety laminates.
- Glass fins, glass ribs, and glass walkways aiming for an ‘invisible’ visual effect.
- Large panoramic windows and multi-ply structural laminated glass.
- Photovoltaic laminated modules and related PV glass stacks.
- Transport observation windows and canopy / roof glazing.

CNCGLASS · Storage

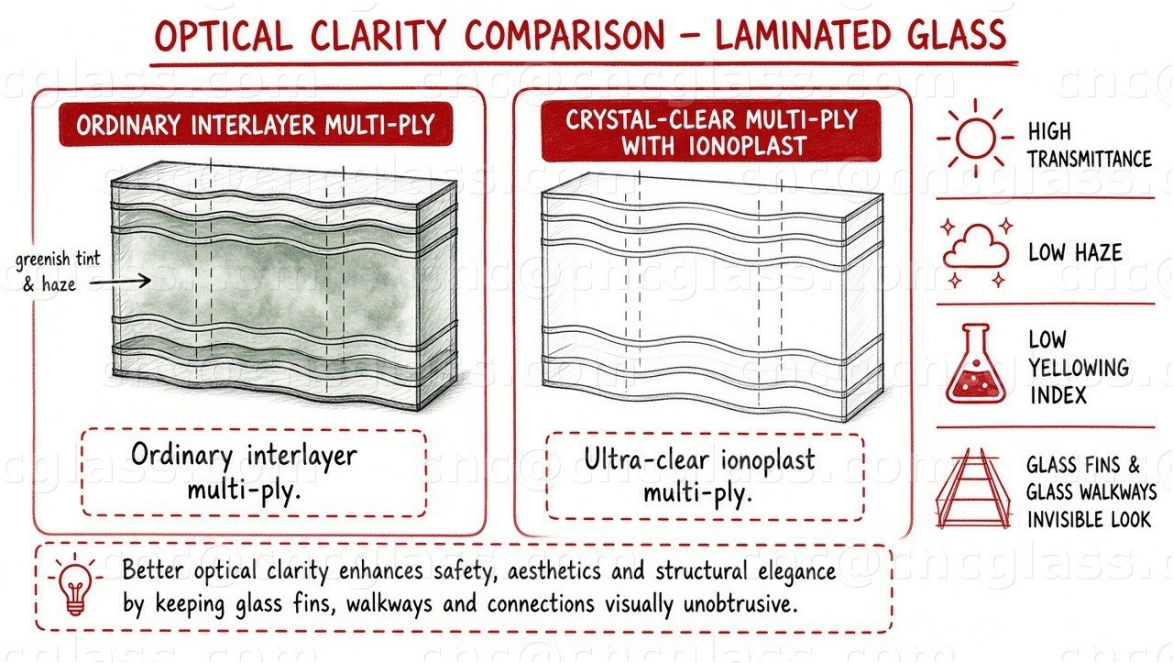
Store ionoplast interlayer rolls in a dry, clean, climate-controlled area. Keep sealed in original moisture-barrier packaging when not in use. Avoid high humidity, open-air overnight storage, and direct sunlight. Protect edges from dirt and damage. Follow CNCGLASS lamination guidance for layup cleanliness and edge protection.

CNCGLASS · How It Works (Hand-Drawn Sketches)

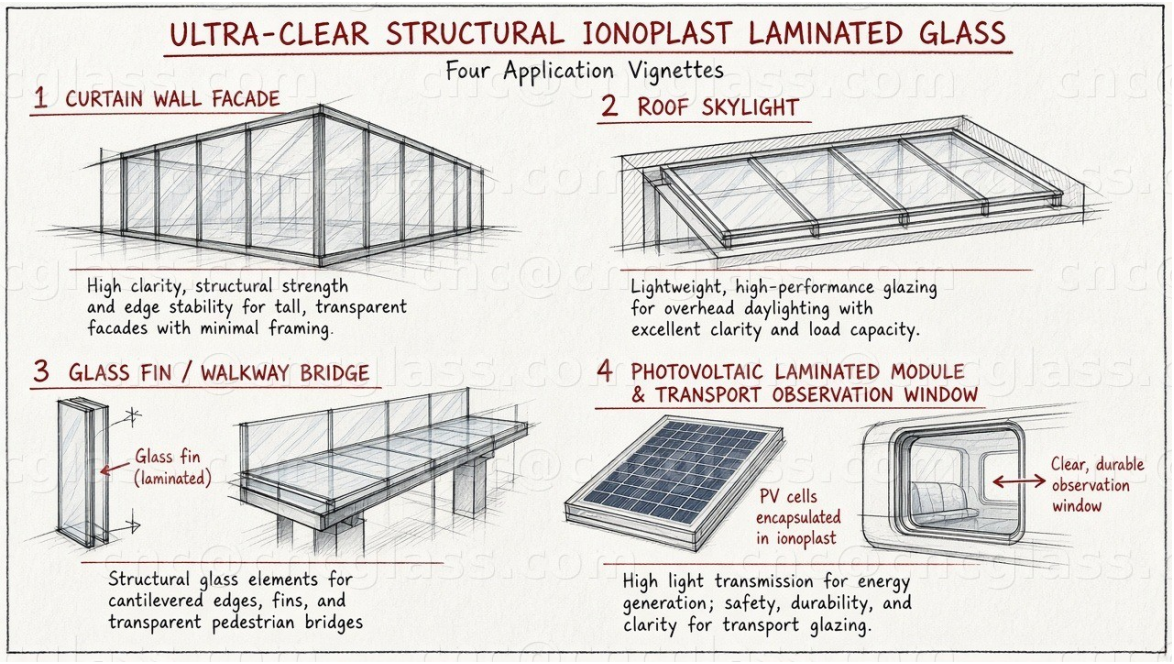
Educational hand-drawn sketches for laminated-glass shops. CNCGLASS ultra-clear structural ionoplast interlayer (SGP-type) bonds glass plies into a stiff, high-clarity laminate for curtain walls, skylights, glass fins / walkways, PV modules, and transport glazing — with published optical grades and structural claims versus PVB.



Stack (hand-drawn sketch): glass / ultra-clear ionoplast interlayer / glass multi-ply; rigidity ~100× PVB; hardness ~5× PVB; post-break residual integrity.



Optical clarity (hand-drawn sketch): ordinary interlayer multi-ply vs ultra-clear ionoplast multi-ply — high transmittance, low haze, low yellowing.



Applications (hand-drawn sketch): curtain walls, skylights, glass fins / walkways, PV laminated modules, and transport observation windows.

CNCGLASS · Product Photos

Product photographs of CNCGLASS ultra-clear structural ionoplast laminated glass — full pane, polished edge, and face clarity.

Full sample — ultra-clear multi-ply laminate

Polished edge — multi-ply ionoplast stack

Face clarity close-up

CNCGLASS · Contact

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For quotations, samples, or bulk orders of CNCGLASS ultra-clear structural ionoplast interlayer film (SGP-type; 0.76 / 0.89 / 1.14 / 1.52 mm) for curtain walls, skylights, glass fins, walkways, PV multi-ply safety glass, and transport glazing — please contact us by email or WhatsApp.