

Technical specifications

iPLUS POLAR

Processing

Safety	Must be thermally toughened using a convection tempering furnace
Cutting	All shapes possible
Shaping and edge-finishing	Edge grinding
	Drilling
	Notches
	Silk-screen printing and enameling possible
	Can be bent
Insulating glazing units (IGUs)	Can be used in single and double glazing

See the iplus Polar Processing Guide on www.agc-yourglass.com

Range

iplus Polar is available in jumbo (PLF) size and stock size on 4 mm thick clear glass. Please contact us for other sizes and other thicknesses.

iplus Polar requires tempering after cutting and edge processing to achieve optimal performance. The coating has to be kept face-up throughout the entire process. It can be assembled in IGUs after edge deletion of the coating. The instructions in the processing guide must be followed carefully. Contact your AGC Sales Representative for technical support and usage guidance.





Advanced energy-efficient single glass

iPLUS POLAR

iplus Polar is engineered for single glass cover lids of horizontal coolers and freezers. It offers superior insulation, significantly enhancing energy efficiency and reducing electricity costs. Its clear transparency ensures an optimal view of contents, providing both convenience and style. The advanced bendable glass design adds flexibility to your appliance, combining durability with sleek, modern aesthetics.

What's so special about it? | What does this mean for you?

- Heat-reflecting coating – Significant energy savings.
- Product visibility – Excellent product visibility thanks to high light transmission, low reflection, enhanced contrast and an extremely neutral colour.

Properties

	Mono 4 mm	DGU (4/16/4)*
Ug value W/(m² K) EN 673	3.2	1.1
Light transmission (%) EN 410	91	82
Light reflection (%) EN 410 (external/internal)	5/5	12/12
Colour rendering Index (%)	99	98
Normal emissivity of the coated side EN 12898	0.03	0.03
Sheet resistance of the coating (Ω/m²)	3.9	3.9

Values for glass after tempering according to instructions.
*Double Glazed Unit composition: 4mm glass / 16mm Argon 90% / 4mm glass



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- Product visibility – Excellent product visibility thanks to high light transmission, low reflection, enhanced contrast and an extremely neutral colour.
- Anti-fog – Climate Class 3 rating (25°C, 60% humidity) ensures no condensation in chest freezers.

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