

Floatglas/L15 is float glass (soda-lime glass), made by floating molten glass on a bed of molten tin. This method gives the sheet uniform thickness and very flat, smooth surfaces. It is usually color neutral and highly transparent, but tints are possible, too. Float glass is characterized by great surface hardness but is very fragile and UV transmittant.

Floatglas/L15 features an additional conductive ITO (Indium Tin Oxide) coating on one surface with a surface resistance of approx. $15 \Omega/\square$, accessible for contacting.

Applications: mainly used for all sorts of transparent covers, glazing, or as windows for electronic displays where EMI/RFI shielding is required.

Delivery: flat sheets in thicknesses from 1.1 mm; cut to size, also machined (drilled, seamed edges, dubbed corners) or with adhesive.

TECHNICAL DATA	TEST METHOD	UNIT	VALUE*
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PHYSICAL

Density		kg/m ³	2.5
Hardness (Vickers)	DIN 1249-10	kN/mm ²	4.93 +/- 0.34

OPTICAL

Transmission (for thickness 3.0 mm)	DIN EN 410	%	approx. 83
Refractive Index	DIN EN 572-1		1,52

THERMAL

Softening Temperature	DIN 1249-10	°C	approx. 600
Maximum Continuous Temperature		°C	approx. 80
Coefficient of Linear Expansion	DIN 1249-10	1/K	9×10^{-6}
Coefficient of Thermal Conductivity	DIN 4701	W/mK	0.8
Coefficient of Heat Transmission		W/m ² K	5.8

MECHANICAL

Impact Strength	DIN 1249-10	N/mm ²	700-900
Rupture Strength (flexural) calculated value		N/mm ²	approx. 30
E-Module	DIN EN 572-1	kN/mm ²	70

ELECTRICAL

Surface Resistance		Ω/\square	approx. 15
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CHEMICAL

Water – class 3	= resistant
Acid – class 1	= resistant
Base - class 1-2	= slightly base soluble

* Values provided cannot be guaranteed in your application due to circumstances beyond our control.



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