

ANTIFLEX-G-2MC/L15, clear 1000

Technical Data Sheet

ANTIFLEX-G-2MC/L15 is float glass with an optical antireflective (AR) coating (dip-coated) on both surfaces (standard color: slight greenish or blueish tint). Reflectance of sun and artificial light is considerably reduced. Other advantages are: good visibility of poorly illuminated elements, increased light transmission, good chemical resistance and abrasion resistance, as well as ease of cleaning. Additionally, **ANTIFLEX-G-2MC/L15** features a one-side conductive ITO (Indium Tin Oxide) coating with a surface resistance of approx. $15 \Omega/\square$ beneath the AR coating which is usually contacted with silver lacquer (busbar).

Applications: mainly used as window for display panels and electronic displays in general (LCD, TFTdisplays etc.) where EMI/RFI shielding is required.

Delivery: in thicknesses from 3.0 mm; cut to size, also machined (drilled, seamed edges, dubbed corners), with silk screen print or adhesive.

TECHNICAL DATA	TEST METHOD	UNIT	VALUE*
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. 90
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
Abrasion resistance of anti-reflective coating	Friction wheel test following DIN 52347		class 2
ELECTRICAL			
Surface Resistance		Ω/\square	approx. 15
CHEMICAL			
Copper chloride – acetic acid – atomized spray test: 24h spray test with sodium chloride solution augmented with copper (II) chloride and acetic acid at 50°C	DIN 50021-CAS S		No visible delamination

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



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