

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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