

**ANTIFLEX-G-2MC** is float glass with an optical anti-reflective (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.

**Applications:** mainly used as window for display panels and any type of electronic displays in general (LCD, TFTdisplays etc.).

**Delivery:** in thicknesses from 2.0 mm; cut to size, also machined (drilled, seamed edges, dubbed corners), with silk screen print or adhesive. Tempered safety glass ( $\geq 4.0$  mm thickness) and laminated safety glass are special forms of float glass that provide enhanced mechanical and chemical resistance. Also available on request: a greyish tint.

TECHNICAL DATA	TEST METHOD	UNIT	VALUE*
<b>PHYSICAL</b>			
Density		kg/m <sup>2</sup>	2.5
Hardness (Vickers)	DIN 1249-10	kN/mm <sup>2</sup>	4.93 +/- 0.34
<b>OPTICAL</b>			
Transmission for 3.0 mm thickness	DIN EN 410	%	approx. 92-98
Refractive Index	DIN EN 572-1		1.52
<b>THERMAL</b>			
Softening Temperature	DIN 1249-10	°C	approx. 600
Maximum Continuous Temperature		°C	approx. 80
Coefficient of Linear Expansion	DIN 1249-10	1/K	$9 \times 10^{-6}$
Coefficient of Thermal Conductivity	DIN 4701	W/mK	0.8
Coefficient of Heat Transmission		W/m <sup>2</sup> K	5.8
<b>MECHANICAL</b>			
Impact Strength	DIN 1249-10	N/mm <sup>2</sup>	700-900
Rupture Strength (flexural) calculated value		N/mm <sup>2</sup>	approx. 30
E-Module	DIN EN 572-1	kN/mm <sup>2</sup>	70
Abrasion resistance of anti-reflective coating	Friction wheel test following DIN 52347		class 2
<b>CHEMICAL</b>			
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.

