

ANTIFLEX-G-GWxx is float glass with one chemically etched non-glare surface, available with different gloss values (GlanzWert). The most common gloss values are GW80, GW90 or GW100.

Applications: mainly used for all sorts of transparent covers, glazing, or as windows for electronic displays.

Delivery: flat sheets, standard thickness 2.0 - 3.0 mm; cut to size, also machined (drilled, seamed edges, dubbed corners), with silk screen print or adhesive. In thicknesses from 3.0 mm up also available as chemically tempered or heat strengthened.

TECHNICAL DATA	TEST METHOD	UNIT	VALUE*
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PHYSICAL

Density		kg/m ²	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
Average surface roughness RA for GW80	DIN 4768	μ	0.3
Average surface roughness RZ for GW80	DIN 4768	μ	1.4

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

Note: values listed apply to float glass !

ANTIFLEX-G-GWxx is less strong / resistant (by approx. 20-30%)

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

CHEMISCH

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

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

