ANTIFLEX-G-GW80/L15, clear 1000

Technical Data Sheet

ANTIFLEX-G-GW80/L15 is float glass with one chemically etched non-glare surface, gloss value (GlanzWert) GW80 plus an additional conductive ITO (Indium Tin Oxide) coating (surface resistance approx. 15 Ω/☐) on the rear surface, 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, standard thickness 4.0 mm; cut to size, also machined (drilled, seamed edges, dubbed corners) or with adhesive.

TECHNICAL DATA	TEST METHOD	UNIT	VALUE*
PHYSICAL			
Density		kg/m²	2.5
Hardness (Vickers)	DIN 1249-10	kN/mm²	4.93 +/- 0.34
OPTICAL			
Transmission for thickness 3.0 mm	DIN EN 410	%	approx. 75
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	℃	approx. 600
Maximum Continuous Temperature		℃	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/m²K	5.8
MECHANICAL			
Note: values listed apply to float glass ! ANTIFLEX-G-GW80/L15 is less strong / resistant (by approx. 20-30%)			
Impact Strength for float glass	DIN 1249-10	N/mm²	700-900
Rupture Strength (flexural) for float glass		N/mm²	approx. 30
E-Module **for float glass**	DIN EN 572-1	kN/mm²	70
ELECTRICAL			
Surface Resistance		Ω/☐	approx. 15
CHEMICAL			
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.*

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