

BG-NFT-AL.

RELIABLE QUALITY ON
ALUMOSILICATE GLASS.



BERLINER GLAS

Technical Glass
BERLINER GLAS GROUP

BG-NFT-AL.

Aluminosilicate glass is used for an increasing number of applications due its excellent break- and scratch-resistant properties. By the use of our unique etching process we are able to offer an anti-glare version of aluminosilicate glass that has many different functions and is ideal as a cover glass in your display.

APPLICATIONS

BG-NFT-AL is for example used as a front display in the automotive industry as well as in mobile control devices for medical or industrial applications. A structured aluminosilicate glass like BG-NFT-AL is always the right choice when the strength of a soda-lime glass is no longer sufficient after the chemical strengthening, or the same strength must be achieved with thinner glass.

PROCESSING

BG-NFT-AL glass can be processed like any untreated glass. Processes such as cutting, bending, drilling, edge grinding, chemical or thermal strengthening, printing (organic or ceramic), coatings or bonding are possible.

Moreover BG-NFT-AL glass can be processed to laminated safety glass.

SPECIFICATIONS

Basic glass	aluminosilicate glass
Product	BG-NFT-AL single sided structured
Glass thickness	0.7/1.1/2.0 mm
Standard gloss value (US-Gloss 60°)	GL 110 (±10)*

Technical data (typical value at 1.1 mm thickness)

DOI (distinctness of reflected image)	55 %
Residual reflection	2.2 %
Clarity	85 %
Haze	1 %
Roughness Rz (µm)	1.1
Sparkling, interaction with display	14 %
Cleaning	commercially available glass cleaner

*other gloss value on request

KEY FUNCTIONS

Anti-glare (AG)

- ▶ Light scattering in reflection and transmission
- ▶ Reduced reflection of sunlight and artificial light sources

Haptics

- ▶ Frictional resistance of etched glass much lower than of blank glass
- ▶ Precise control of touch systems
- ▶ Reduced contact area avoids dull surface

Robustness/Toughness

- ▶ Reduced sensitivity to contaminations such as fingerprints
- ▶ Easy to clean due to surface structure, no coating
- ▶ Resistant against most commercial cleaning agents
- ▶ Less scratch-sensitive than coating

OUR STRENGTHS ARE YOUR BENEFITS

- ▶ Individual customer consultation
- ▶ Project-related development
- ▶ Fast and reliable order processing
- ▶ Packaging optimized to customer requirements
- ▶ Superior quality