

Special Glasses

e.g. **FOTURAN®**,
BOROFLOAT®, **B270**, ...

mgt mikroglas technik AG is an enterprise specialising in the manufacture of products made of glass for microtechnological applications. **mikroglas** combines the innovative knowledge of the fast-growing field of microtechnology with the experience of the traditional glass technology.

Glass offers a large variety of possibilities. Due to its outstanding properties glass plays an important role in microtechnology. **mikroglas** offers you not only components and complete system solutions but also various special glasses in standard and individual sizes.

Glasses

FOTURAN®: photostructurable glass
BOROFLOAT®,
PYREX®: silicon bondable glasses
B270: colourless, high-transmission crown glass
AF45, D263: borosilicate glasses, thin glasses

We also supply other glasses on demand.

Formats

Wafers (available with or without flat)

standard sizes: 3"/75 mm, 4"/100 mm,
5"/125 mm, 6"/150 mm

special sizes: generally possible

specifications: according to SEMI-Standard

tolerance (diameter): +/- 0.3 mm

Rectangular Substrates

standard sizes: 46 x 46 mm, 100 x 100 mm,
125 x 125 mm, 150 x 150 mm

special sizes: generally possible

tolerance (edge): +/- 0.3 mm

Please visit our homepage!

Thicknesses

mikroglas produces wafers and rectangular substrates in thicknesses from 0.15 up to 2.5 mm. Depending on the type of glass and the dimensions of the substrate we can also deliver thinner or thicker substrates.

Tolerances

wafers: 3"-5": +/- 0.015 mm,
3"-6": +/- 0.02 mm
rectangular substrates: +/- 0.015 mm

Surface Qualities

polished surface: $r_A \sim 0.02 \mu\text{m}$
ground surface: $r_A \sim 0.65 \mu\text{m}$

Cleaning and Packing

Cleaning of our products is done in an ultra-sonic bath with isopropanol or acetone. Our products are packed in a dust-reduced environment and will be sealed in plastic on demand.

Qualities

A quality: no bubble defects > 50 μm
B quality: maximum of 2 bubbles/100 cm²
bubble size: 50 μm - 1 mm
maximum of 1 edge defect/40 cm
defect size: 1 mm
maximum of 2 scratches/100 cm²
scratch size: 50 μm - 20 mm
C quality: No. of defects and size > B quality



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Order Form

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Fax +49-61 31/5 55 50-52

Date:

Name:

E-mail:

Dept.:

Homepage:

Company:

Street:

Postal Code/City:

Country:

Phone:

Fax:



signature/company stamp

Glasses

- FOTURAN®
- BOROFLOAT®
- PYREX®
- other glass

- B270
- AF45
- D263

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Please send additional technical data

Wafers

- 3"
- 4"
- 5"
- 6"
- special size

- 75 mm
- 100 mm
- 125 mm
- 150 mm

- flat
- no flat

thickness
.....
.....
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Rectangular Substrates

- 46 x 46 mm
- 100 x 100 mm
- 125 x 125 mm
- 150 x 150 mm
- special size

thickness
.....
.....
.....

Qualities

- A quality
- B quality
- C quality

Surface

- both sides polished
- one side polished/one side ground
- both sides ground