

# MICROCROWN – Glass for Microscopy Slides

## Product Information

MICROCROWN up-drawn crown glass has one of the lowest iron contents known in the market today.

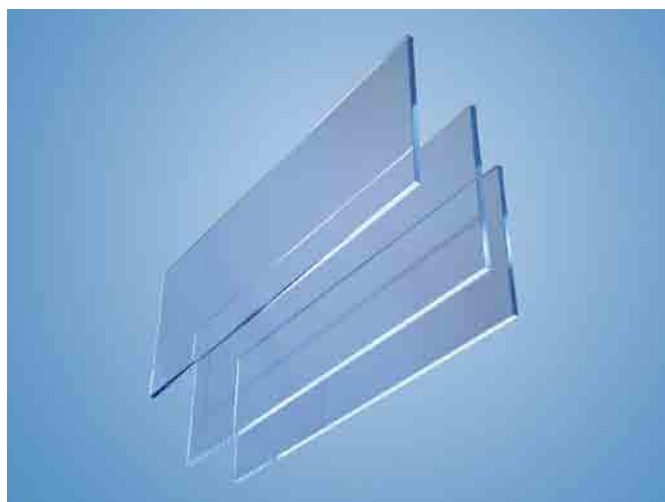
It has a high luminous transmittance and an excellent colorless appearance. MICROCROWN is available as sheet glass in a thickness of 1.0 mm.

Its unique composition makes MICROCROWN the right choice for microscopic slides where low auto-fluorescence and excellent chemical resistance are required.

## Applications

### Microscopic slides

- High transmittance
- Colorless appearance
- Good cosmetic quality
- Easy to cut by scribe and break
- Excellent flatness
- Resistant to chemical attack
- Low auto-fluorescence
- Good wettability on both glass surfaces



## Technical Data

Dimensions	1560 mm x 560 mm
Thicknesses	1.0 mm, other thicknesses upon request
Luminous transmittance $\tau_{vD65}$ (d = 1.0 mm)	91.8 %
Coefficient of mean linear thermal expansion $\alpha$ (20 °C; 300 °C) (static measurement)	$9.4 \cdot 10^{-6} \text{ K}^{-1}$
Transformation temperature Tg	533 °C
Dielectric constant $\epsilon_r$ at 1 MHz	7.0
Refractive index $n_D$	1.5229
Density $\rho$ (annealed at 40 °C/h)	2.55 g/cm <sup>3</sup>



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