# B 270<sup>®</sup> i Ultra White Glass

#### **Product Information**

SCHOTT offers B 270® i crown glass in sheet glass form suitable for a variety of different market demands, especially suitable for biotech applications.

B 270® i, manufactured by a SCHOTT specific up-draw process, offers high stability with respect to solarization in combination with high transmission in the visible wavelength range. It has a firepolished surface and high chemical stability.

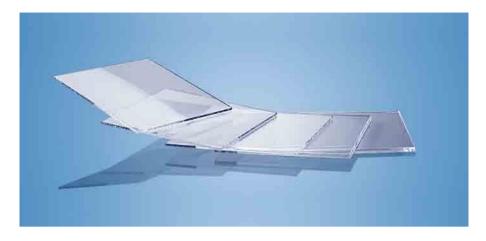
B 270<sup>®</sup> i is available in a wide range of thicknesses and various stock formates. Customized formates (e.g. rounds) and processing can be offered upon request.

B 270® i is available in a thickness range of 0.9 mm - 10.0 mm.

## **Applications**

## CD/DVD Pick up Digital Projection

- High transmittance
- Cost efficient processing due to wide thickness range



## Surface acoustic wave type touch panel

- Low acoustic attenuation
- High transmittance

### Monitor glass for coaters

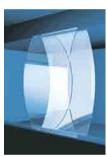
- · High transmittance
- Cost efficient process monitoring

#### Substrates for bio-chips (flow cells)

- Low autofluorescene
- Fire polished surface







Technical Data	
Dimensions	406 mm x 258 mm, 840 mm x 800–920 mm, 1680 mm x 800–920 mm (16.0 in x 10.1, 33 in x 31.5–36.2 in, 66.1 in x 31.5–36.2 in) other formats upon request
Thicknesses B 270 <sup>®</sup> i	0.9 mm up to 10.0 mm
Standard thicknesses	0.9, 1.0, 1.1, 1.35, 1.65, 2.0, 2.5, 3.0, 3.5, 5.0 mm
Luminous transmittance $\tau_{\text{vD65}}$ (d = 2.0 mm)	91.7 %
Coefficient of mean linear thermal expansion $\alpha$ (20 °C; 300 °C) (static measurement)	9.4 x 10 <sup>-6</sup> K <sup>-1</sup>
Transformation temperature Tg	536 ℃
Dielectric constant $\epsilon_{r}$ at 1MHz	7.0
Refractive index n <sub>D</sub>	1.5229
Density p	2.56 g/cm³



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