

B 270® 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® i is available in a wide range of thicknesses and various stock formats. Customized formats (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 autofluorescence
- 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® 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 τ_{vD65} (d = 2.0 mm)	91.7 %
Coefficient of mean linear thermal expansion α (20 °C; 300 °C) (static measurement)	$9.4 \times 10^{-6} \text{ K}^{-1}$
Transformation temperature Tg	536 °C
Dielectric constant ϵ_r at 1MHz	7.0
Refractive index n_D	1.5229
Density ρ	2.56 g/cm ³



Advanced Optics
 SCHOTT North America, Inc.
 400 York Avenue
 Duryea, PA 18642
 USA
 Phone +1 570/457-7485
 Fax +1 570/457-7330
 info.optics@us.schott.com

www.us.schott.com/advanced_optics

SCHOTT
 glass made of ideas