

# D 263<sup>®</sup> T<sub>eco</sub> Thin Glass

## Product Information

D 263<sup>®</sup> T<sub>eco</sub> thin glass is a clear borosilicate glass that has a high chemical resistance and is produced by a SCHOTT specific down-draw method. It is available in a variety of thicknesses ranging from 0.03 mm to 1.1 mm.

D 263<sup>®</sup> T<sub>eco</sub> borosilicate glass is available in standard stock size sheets or can be custom cut into round or square shapes. D 263<sup>®</sup> T<sub>eco</sub> thin glass is used as substrate glass for coatings or as replacement for plastic for applications in the automotive and electronics industries. D 263<sup>®</sup> T<sub>eco</sub> is manufactured with eco-friendly refining agents.

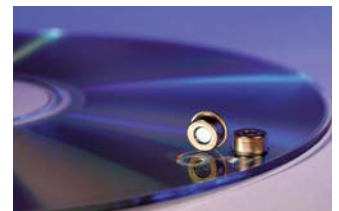
## Applications

### Resistive touch panel for built-in car navigation

- Stable against sunlight and heat
- Not permeable to humidity
- Flexibility is similar to that of plastic
- Easy to cut by laser or scribe and break method

### Substrate for capacitive touch sensors

- Reduction of thickness and weight in mobile display applications
- Excellent stability in ITO coating processing
- No loss of image quality due to superior luminous transmittance



### Substrate glass for IR cut-off filter for camera modules in mobile phones

- High luminous transmittance
- Easy to dice by diamond saw
- Coatings adhere well due to excellent surface quality
- Smooth surface for coatings without previous polishing
- Range of thin thicknesses enables easy adaptation for future product miniaturization



| Technical Data                                                                             |                                                                        |
|--------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Dimensions                                                                                 | 440 mm x 360 mm, other size on request                                 |
| Surface roughness                                                                          | < 1 nm RMS                                                             |
| Thicknesses                                                                                | 0.03 mm up to 1.1 mm                                                   |
| Standard thicknesses and packaging units                                                   | 0.21 mm 100 pcs<br>0.30 mm 100 pcs<br>0.40 mm 50 pcs<br>0.55 mm 50 pcs |
| Luminous transmittance $\tau_{vD65}$ (d = 1.1 mm)                                          | 91.7 %                                                                 |
| Coefficient of mean linear thermal expansion $\alpha$ (20 °C; 300 °C) (static measurement) | $7.2 \times 10^{-6} \text{ K}^{-1}$                                    |
| Transformation temperature $T_g$                                                           | 557 °C                                                                 |
| Dielectric constant $\epsilon_r$ at 1MHz                                                   | 6.7                                                                    |
| Refractive index $n_D$                                                                     | 1.5230                                                                 |
| Refractive index $n_e$                                                                     | $1.5255 \pm 0.0015$                                                    |
| Density $\rho$ (annealed at 40 °C/h)                                                       | 2.51 g/cm <sup>3</sup>                                                 |
| Intensity of $\alpha$ -radiation                                                           | < 0.2 counts (h · cm <sup>2</sup> )*                                   |

\* Material with lower  $\alpha$ -radiation level available on request. Please contact us.

Note: Orders of integral multiples of packaging units for standard thicknesses will ship ex works within 3 days after receipt of order.



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