# D 263® T eco Thin Glass

## Product Information

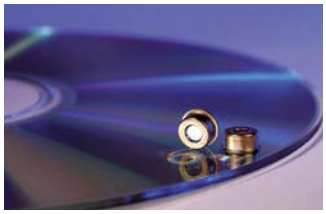
D 263® T eco thin glass is a clear borosilicate glass that has a high chemical resistance and is produced by a SCHOTT specific down-draw method. It is available in a variety of thicknesses ranging from 0.03 mm to 1.1 mm.

D 263® T eco borosilicate glass is available in standard stock size sheets or can be custom cut into round or square shapes. D 263® T eco thin glass is used as substrate glass for coatings or as replacement for plastic for applications in the automotive and electronics industries. D 263® T eco 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 α (20 °C; 300 °C) (static measurement) | 7.2 x $10^{-6}$ $K^{-1}$ |
| Transformation temperature Tg | 557 °C |
| Dielectric constant $\varepsilon_r$ at 1MHz | 6.7 |
| Refractive index $n_D$ | 1.5230 |
| Refractive index $n_e$ | 1.5255 ± 0.0015 |
| Density ρ (annealed at 40 °C/h) | 2.51 g/$cm^3$ |
| Intensity of α-radiation | < 0.2 counts (h · $cm^2$)* |

* Material with lower α-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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