

# D 263® T<sub>eco</sub> 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 0.30 mm 100 pcs 0.40 mm 50 pcs 0.55 mm 50 pcs
Luminous transmittance $\tau_{\text{D65}}$ (d = 1.1 mm)	91.7 %
Coefficient of mean linear thermal expansion $\alpha$ (20 °C; 300 °C) (static measurement)	$7.2 \cdot 10^{-6} \text{ K}^{-1}$
Transformation temperature T <sub>g</sub>	557 °C
Dielectric constant $\epsilon_r$ at 1MHz	6.7
Refractive index $n_D$	1.5230
Density $\rho$ (annealed at 40 °C/h)	2.51 g/cm <sup>3</sup>

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



Advanced Optics  
SCHOTT AG  
Hattenbergstrasse 10  
55122 Mainz  
Germany  
Phone +49 (0)6131/66-1812  
Fax +49 (0)3641/2888-9047  
info.optics@schott.com  
[www.schott.com/advanced\\_optics](http://www.schott.com/advanced_optics)

**SCHOTT**  
glass made of ideas