

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 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.

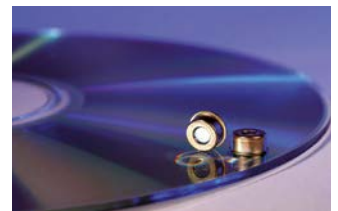
Applications

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 τ_{vD65} (d = 1.1 mm)	91.7 %
Coefficient of mean linear thermal expansion α (20 °C; 300 °C) (static measurement)	$7.2 \times 10^{-6} \text{ K}^{-1}$
Transformation temperature Tg	557 °C
Dielectric constant ϵ_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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