

Ultra-Thin Glass down to 25 μm

By applying a proprietary down draw process, Your Partner for Excellence in Optics offers various glass types down to 25 μm , bendable and even rollable

SCHOTT introduces innovative ultra-thin glass which is available in various glass types and in thicknesses between 25 and 100 μm . It is produced in a continuous down-draw process and can be provided in the established glass types AF 32[®] eco and D 263[®] T eco.

This ultra-thin form of glass is delivered as cut-to-size sheet or on roll, enabling cost saving Roll-to-Roll (R2R) processes at our customers.

At the same time, it offers the advantages of the respective glass and enables multiple coating and laminating options.



Available Supply Form



Cut-to-size sheet or on roll

Advantages

- Barrier properties
- High thermal stability
- Resistance to UV light
- Long term stability
- High transmission
- Chemical stability
- Fire polished surface
- R2R process cost savings

Typical Applications

- Hermetical barrier films
- Touch panel sensors
- Thin film batteries
- Printed Circuit Boards (PCB)
- OLED lighting
- Electronic components
- Window laminates

Technical Data of Relevant Materials

	AF 32 [®] eco	D 263 [®] T eco
Luminous transmittance $\tau_{\text{v}065}$ (d = 0.5 mm)	91.9%	91.7%
Coefficient of mean linear thermal expansion α (20 °C; 300 °C) (static measurement)	$3.2 \cdot 10^{-6} \text{ K}^{-1}$	$7.2 \cdot 10^{-6} \text{ K}^{-1}$
Transformation temperature Tg	717 °C	557 °C
Dielectric constant ϵ_r at 1 MHz	5.1	6.7
Refractive index n_d	1.5099	1.5230
Refractive index n_e		1.5230
Density ρ (annealed at 40 °C/h)	2.43 g/cm ³	2.51 g/cm ³
Specifications	<ul style="list-style-type: none"> • CTE matching silicon • High transmittance • Fire-polished surface with low roughness • Environmentally friendly production 	<ul style="list-style-type: none"> • High chemical resistance • Stable against sunlight and heat • High luminous transmittance • Environmentally friendly production

For more information please contact:

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 glass made of ideas