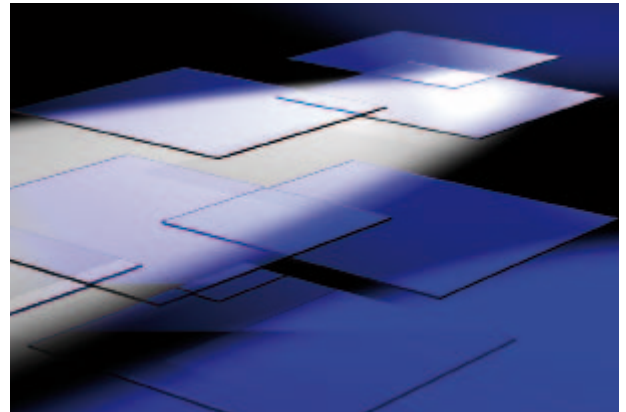


D 263[®] M Cover Glass

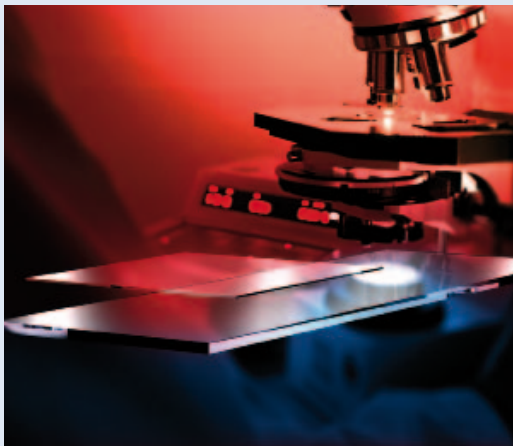
The cover glass type D 263[®] M is a colorless borosilicate glass which is produced by a SCHOTT specific down-draw method. It is available in different stock sheet sizes with thicknesses ranging from 0.1 mm to 0.21 mm.

D 263[®] M is a perfect choice as cover glass for microscopic analysis and meets the requirements specified in ISO 8255-1 and DIN ISO 8255-1.

The chemical composition of D 263[®] M ensures valid and reliable research results due to its low auto-fluorescence and high chemical resistance.



Applications



Cover glass in microscopy for medical, biological and research work

- High luminous transmittance
- Colorless appearance
- Excellent cosmetic quality
- Easy to cut using the scribe and break method
- Excellent flatness
- Resistant to chemical attack
- Refractive index finely adapted to microscopes
- Low auto-fluorescence
- Easy to separate in automatic coverslippers due to protective coating
- Tight thickness control
- Resistance to environmental conditions ensure high durability
- Good cell growth
- Thickness for high-performance applications available

Technical Data

| | |
|--|---|
| Dimensions | 410 mm x 435 mm, 410 mm x 415 mm, 410 mm x 710 mm |
| Thicknesses | 0.10 mm up to 0.21 mm |
| Luminous transmittance τ_{vd65} (d = 0.15 mm) | 91.7 % |
| Coefficient of mean linear thermal expansion α (20 °C; 300 °C) (static measurement) | $7.2 \cdot 10^{-6} \text{ K}^{-1}$ |
| Transformation temperature T_g | 557 °C |
| Dielectric constant ϵ_r at 1MHz | 6.7 |
| Refractive index n_D | 1.5230 |
| Refractive index n_e | 1.5255 |
| Density ρ (annealed at 40 °C/h) | 2.51 g/cm ³ |

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