

D 263[®] M – Glass for Microscopy Cover Slips

Product Information

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

D 263[®] M is the perfect choice for microscopy cover glass in medical, biological and research work, meeting the requirements specified in ISO 8255-1 and DIN ISO 8255-1. The chemical composition of D 263[®] M ensures reliable research results due to its low auto-fluorescence and high chemical resistance.

Features

- High luminous transmittance
- Colorless appearance
- Excellent cosmetic quality
- Easy to cut using the scribe and break method
- Excellent flatness
- High resistance against chemical or environmental conditions ensures high durability
- Refractive index finely adapted to that of microscope optics
- Low auto-fluorescence
- Easy to separate in automatic cover slippers due to protective coating
- Tight thickness control
- Good cell growth
- Various thicknesses available for high-performance applications



Technical Data

Dimensions (gross sizes, with bead)	410 mm x 435 mm, 410 mm x 710 mm
Thicknesses	0.1 mm to 0.21 mm
Standard thicknesses	0.1 mm, 0.145 mm, 0.175 mm, 0.210 mm
Luminous transmittance τ_{vD65} (d = 0.15 mm)	91.7 %
Coefficient of mean linear thermal expansion α (20 °C; 300 °C) (static measurement)	$7.2 \times 10^{-6} \text{ K}^{-1}$
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
Density ρ (annealed at 40 °C/h)	2.51 g/cm ³



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