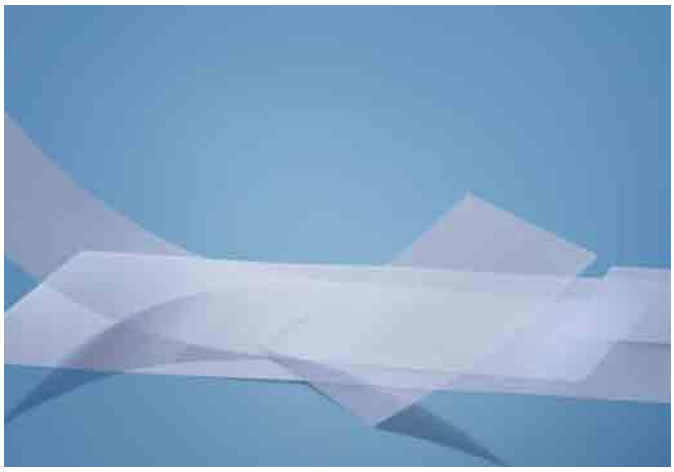
DATA SHEET

SCHOTT® D263M

Product Information

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.



Application

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
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)	$7.2 \cdot 10^{-6}$ 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/cm³

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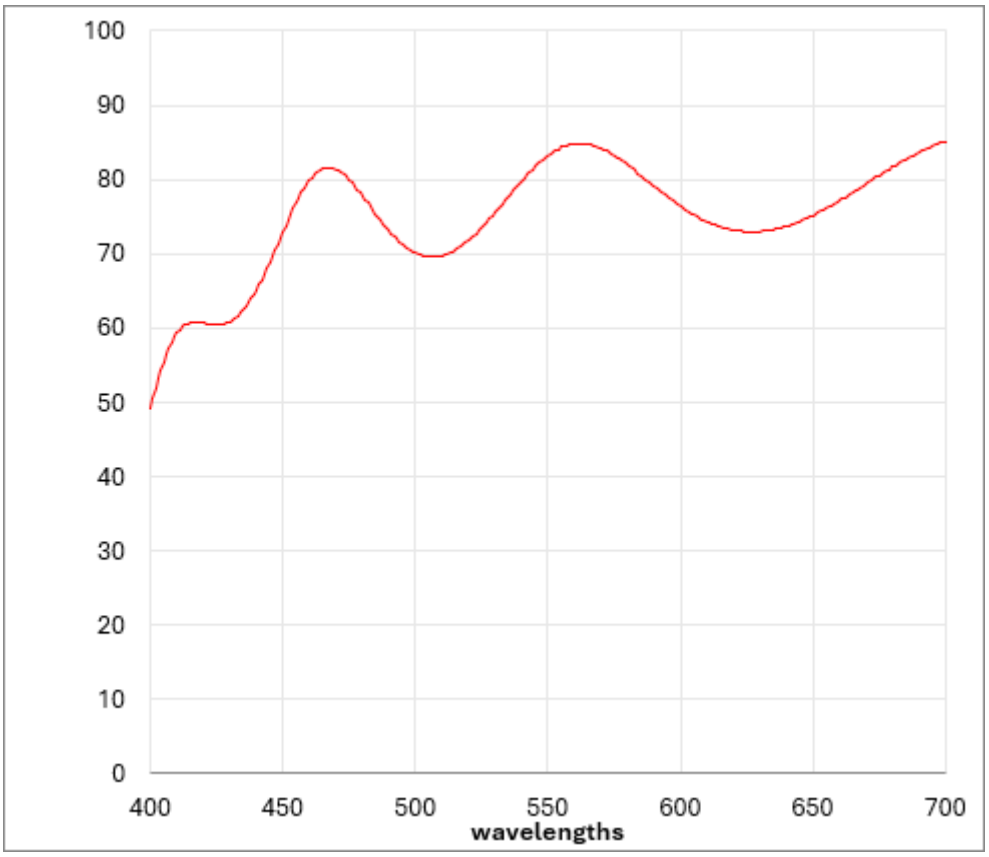
Coating 8-12 ohms/sq



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