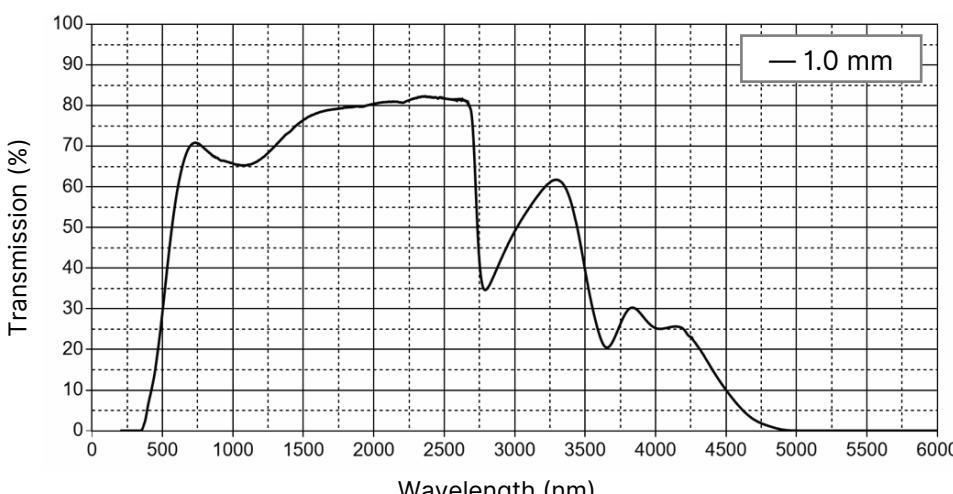


FOLAX® amber

Technical Data

Glass Type/Application	Neutral glass tubing, chemically highly resistant, with light protection. Pharmaceutical primary packaging.								
incl. Product Lines	Best Value (BV)								
Physical Data (approx. value)	Coefficient of mean linear thermal expansion $\alpha(20^\circ\text{C}; 300^\circ\text{C})$ (ISO 7991) 5.4 10^{-6}K^{-1} Transformation temperature T_g (ISO 7884-8) 550 $^\circ\text{C}$ Glass temperature at viscosity η in dPa·s 10^{13} (annealing point) (ISO 7884-4) 560 $^\circ\text{C}$ $10^{7.6}$ (softening point) (ISO 7884-3) 770 $^\circ\text{C}$ 10^4 (working point) (ISO 7884-2) 1165 $^\circ\text{C}$ Density ρ at 25°C 2.42 $\text{g} \cdot \text{cm}^{-3}$								
Chemical Resistance	Hydrolytic resistance acc. to ISO 719 Class HGB 1 acc. to Ph. Eur. Type I acc. to USP Type I acc. to JP fulfilled Acid resistance (DIN 12116) Class S1 Alkali resistance (ISO 695) Class A2								
Chemical Content (components in approx. weight %)	SiO ₂ 70	B ₂ O ₃ 7.5	Al ₂ O ₃ 6	Fe ₂ O ₃ 1	TiO ₂ 5	Na ₂ O 6.5	K ₂ O 1	BaO 2	CaO <1
	The heavy metal content for the elements lead, cadmium, mercury and hexavalent chromium is below 100 ppm								
Transmission (exemplary spectrum)	 <p>The graph plots Transmission (%) on the y-axis (0 to 100) against Wavelength (nm) on the x-axis (0 to 6000). A single curve represents a 1.0 mm sample thickness. The transmission starts near 0% at 400 nm, rises to a peak of about 70% at 600 nm, dips slightly, then rises to a broad peak of about 80% between 1500 and 2500 nm. It then drops sharply to around 30% at 2800 nm, rises again to a smaller peak of about 60% at 3500 nm, and finally decreases to near 0% by 5000 nm.</p>								

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Business Unit Tubing / 01/2025

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