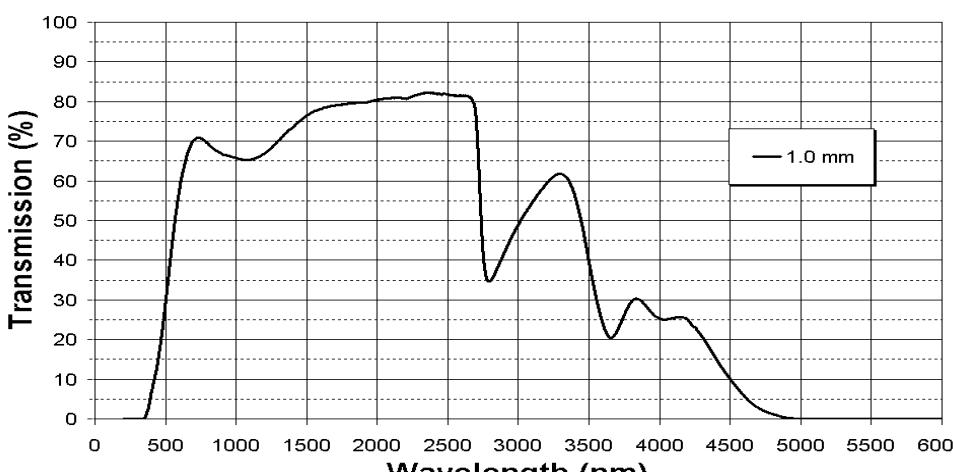


FIOLAX® amber

Technical Data

Glass Type/Application	Neutral glass tubing, chemically highly resistant, with light protection Pharmaceutical primary packaging																	
Physical Data (approx. value)	Coefficient of mean linear thermal expansion $\alpha(20^\circ\text{C}; 300^\circ\text{C})$ acc. to ISO 7991	$5.4 \cdot 10^{-6}\text{K}^{-1}$																
	Transformation Temperature T_g	550 °C																
	Glass temperature at viscosity η in $\text{dPa} \cdot \text{s}$ 10^{13} (annealing point).....	560 °C																
	$10^{7.6}$ (softening point)	770 °C																
	10^4 (working point)	1165 °C																
	Density ρ at 25°C	2.42 g · cm ⁻³																
Chemical Data	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 S 1																
	Alkali resistance (ISO 695)	Class A 2																
Chemical Composition (main 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)																		
FIOLAX® is a registered trade mark of SCHOTT PT_TTS_1002 GB Business Unit Tubing / 9/2017	SCHOTT glass made of ideas																	