

Schott FIOLAX® amber Neutral Glass Tubing

Category : Ceramic , Glass

Material Notes:

Neutral glass tubing, chemically highly resistant, with light protection Pharmaceutical primary packaging Information provided by SCHOTT AG.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-FIOLAX-amber-Neutral-Glass-Tubing.php

Physical Properties	Metric	English	Comments
Density	2.42 g/cc @Temperature 25.0 Â°C	0.0874 lb/inÂ³ @Temperature 77.0 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear	5.40 Âµm/m-Â°C @Temperature 20.0 - 300 Â°C	3.00 Âµin/in-Â°F @Temperature 68.0 - 572 Â°F	ISO 7991
Transformation Temperature, Tg	550 Â°C	1020 Â°F	
Softening Point	770 Â°C	1420 Â°F	Viscosity 10^{7.6} dPa s
Working Point	1165 Â°C	2129 Â°F	Viscosity 10⁴ dPa s
Annealing Point	560 Â°C	1040 Â°F	Viscosity 10¹³ dPa s

Optical Properties	Metric	English	Comments
Transmission, Visible	25 % @Thickness 1.00 mm, Wavelength 500 nm	25 % @Thickness 0.0394 in, Wavelength 500 nm	
	65 - 70 % @Wavelength 650 - 800 nm, Thickness 1.00 mm	65 - 70 % @Wavelength 650 - 800 nm, Thickness 0.0394 in	
	70 % @Thickness 1.00 mm, Wavelength 700 nm	70 % @Thickness 0.0394 in, Wavelength 700 nm	
IR Transmittance	2.0 % @Thickness 1.00 mm, Wavelength 4700 nm	2.0 % @Thickness 0.0394 in, Wavelength 4700 nm	Cutoff
	<= 30 %	<= 30 %	

Optical Properties	Metric	English	Comments
	@ Wavelength >=3550 nm, Thickness 1.00 mm	@ Wavelength >=3550 nm, Thickness 0.0394 in	
	35 %	35 %	
	@Thickness 1.00 mm, Wavelength 2800 nm	@Thickness 0.0394 in, Wavelength 2800 nm	
	62 %	62 %	
	@Thickness 1.00 mm, Wavelength 3300 nm	@Thickness 0.0394 in, Wavelength 3300 nm	
	67 - 78 %	67 - 78 %	
	@Wavelength 800 - 1600 nm, Thickness 1.00 mm	@Wavelength 800 - 1600 nm, Thickness 0.0394 in	
	78 - 83 %	78 - 83 %	
	@Wavelength 1600 - 2650 nm, Thickness 1.00 mm	@Wavelength 1600 - 2650 nm, Thickness 0.0394 in	

Component Elements Properties	Metric	English	Comments
Al2O3	6.0 %	6.0 %	
B2O3	7.0 %	7.0 %	
BaO	2.0 %	2.0 %	
CaO	<= 1.0 %	<= 1.0 %	
Fe2O3	1.0 %	1.0 %	
K2O	1.0 %	1.0 %	
Na2O	7.0 %	7.0 %	
SiO2	70 %	70 %	
TiO2	5.0 %	5.0 %	

Chemical Properties	Metric	English	Comments
Acid Class, SR	1	1	DIN 12116
Alkali Class, AR	2	2	ISO 695

Descriptive Properties	Value	Comments
Hydrolytic Resistance	Class HGB 1	ISO 719

Descriptive Properties	fulfilled Value	IP Comments
	Type I	Ph. Eur.
	Type I	USP

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