

Schott FIOLAX® clear Neutral Glass Tubing

Category : Ceramic , Glass

Material Notes:

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

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	2.34 g/cc	0.0845 lb/in ³	
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear	4.90 Âµm/m-Â°C	2.72 Âµin/in-Â°F	ISO 7991
	@Temperature 20.0 - 300 Â°C	@Temperature 68.0 - 572 Â°F	
Transformation Temperature, Tg	565 Â°C	1050 Â°F	
	565 Â°C	1050 Â°F	
	785 Â°C	1450 Â°F	
	1160 Â°C	2120 Â°F	

Optical Properties	Metric	English	Comments
Transmission, Visible	92 - 93 %	92 - 93 %	
	@Wavelength 400 - 800 nm, Thickness 1.00 mm	@Wavelength 400 - 800 nm, Thickness 0.0394 in	
IR Transmittance	24 %	24 %	
	@Thickness 1.00 mm, Wavelength 2800 nm	@Thickness 0.0394 in, Wavelength 2800 nm	
	<= 30 %	<= 30 %	
	@Wavelength >=3500 nm, Thickness 1.00 mm	@Wavelength >=3500 nm, Thickness 0.0394 in	
	60 %	60 %	
	@Thickness 1.00 mm, Wavelength 3300 nm	@Thickness 0.0394 in, Wavelength 3300 nm	
	90 - 93 %	90 - 93 %	

Optical Properties	Metric	English	Comments
	@ Wavelength 800 - 2500 nm, Thickness 1.00 mm	@ Wavelength 800 - 2500 nm, Thickness 0.0394 in	

Component Elements Properties	Metric	English	Comments
Al2O3	5.0 %	5.0 %	
B2O3	10.5 %	10.5 %	
CaO	1.5 %	1.5 %	
Na2O	7.0 %	7.0 %	
SiO2	75 %	75 %	

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

Descriptive Properties	Value	Comments
Glasses in Laboratory Apparatus	Type I, Class B	ASTM E 438
Hydrolytic Resistance	Class HGB 1	ISO 719
	fulfilled	JP
	Type I	Ph. Eur.
	Type I	USP

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