

## Schott ILLAX® Amber Pharmaceutical Glass

Category : Ceramic , Glass

### Material Notes:

Amber Glass Pharmaceutical primary packaging for oralia and solid dosageInformation provided by SCHOTT AG.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-ILLAX-Amber-Pharmaceutical-Glass.php](http://www.lookpolymers.com/polymer_Schott-ILLAX-Amber-Pharmaceutical-Glass.php)

Physical Properties	Metric	English	Comments
Density	2.50 g/cc	0.0903 lb/in <sup>3</sup>	
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear	7.80 Âµm/m-Â°C	4.33 Âµin/in-Â°F	ISO 7991
	@Temperature 20.0 - 300 Â°C	@Temperature 68.0 - 572 Â°F	
Transformation Temperature, Tg	535 Â°C	995 Â°F	ISO 7884-8
Softening Point	720 Â°C	1330 Â°F	Viscosity 10<sup>7.6</sup> dPa s; ISO 7884-3
Working Point	1050 Â°C	1920 Â°F	Viscosity 10<sup>4</sup> dPa s; ISO 7884-2
Annealing Point	540 Â°C	1000 Â°F	Viscosity 10<sup>13</sup> dPa s; ISO 7884-4

Optical Properties	Metric	English	Comments
Transmission, Visible	60 %	60 %	
	@Wavelength 500 nm	@Wavelength 500 nm	
IR Transmittance	70 - 80 %	70 - 80 %	
	@Wavelength 550 - 800 nm	@Wavelength 550 - 800 nm	
IR Transmittance	35 %	35 %	
	@Wavelength 2800 nm	@Wavelength 2800 nm	
IR Transmittance	<= 40 %	<= 40 %	
	@Wavelength >=4150 nm	@Wavelength >=4150 nm	
IR Transmittance	40 - 47 %	40 - 47 %	
	@Wavelength 3500 -	@Wavelength 3500 -	

Optical Properties	4150 nm Metric	4150 nm English	Comments
	53 %	53 %	
	@Wavelength 3300 nm	@Wavelength 3300 nm	
	70 - 80 %	70 - 80 %	
	@Wavelength 800 - 1500 nm	@Wavelength 800 - 1500 nm	
	80 - 85 %	80 - 85 %	
	@Wavelength 1500 - 2700 nm	@Wavelength 1500 - 2700 nm	

Component Elements Properties	Metric	English	Comments
Al2O3	7.0 %	7.0 %	
B2O3	5.0 %	5.0 %	
BaO	<= 0.50 %	<= 0.50 %	
CaO	1.0 %	1.0 %	
Fe2O3	2.0 %	2.0 %	
K2O	1.0 %	1.0 %	
Na2O	12 %	12 %	
SiO2	67 %	67 %	

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

Descriptive Properties	Value	Comments
Hydrolytic Resistance	Class HGB 2	ISO 719
	Type III	PH. Eur
	Type III	USP
MnO2 (%)	5	

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China