

## Schott AR-GLAS<sup>®</sup> Soda Lime Silicate Glass

Category : Ceramic , Glass

### Material Notes:

Soda lime silicate glass, high dielectric constant, glass to metal seal, pharmaceutical primary packaging, general technical application  
Information provided by SCHOTT AG.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-AR-GLAS-Soda-Lime-Silicate-Glass.php](http://www.lookpolymers.com/polymer_Schott-AR-GLAS-Soda-Lime-Silicate-Glass.php)

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

Thermal Properties	Metric	English	Comments
CTE, linear	9.10 µm/m-°C @Temperature 20.0 - 300 °C	5.06 µin/in-°F @Temperature 68.0 - 572 °F	ISO 7991
Transformation Temperature, Tg	525 °C	977 °F	
Softening Point	720 °C	1330 °F	Viscosity 10 <sup>&gt;7.6&lt;/sup&gt; dPa s</sup>
Working Point	1040 °C	1900 °F	Viscosity 10 <sup>&gt;4&lt;/sup&gt; dPa s</sup>
Annealing Point	530 °C	986 °F	Viscosity 10 <sup>&gt;13&lt;/sup&gt; dPa s</sup>

Optical Properties	Metric	English	Comments
Transmission, Visible	92 % @Wavelength 400 - 800 nm, Thickness 1.00 mm	92 % @Wavelength 400 - 800 nm, Thickness 0.0394 in	
IR Transmittance	2.0 % @Thickness 1.00 mm, Wavelength 5000 nm	2.0 % @Thickness 0.0394 in, Wavelength 5000 nm	Cutoff
	20 % @Thickness 1.00 mm, Wavelength 4500 nm	20 % @Thickness 0.0394 in, Wavelength 4500 nm	
	49 - 55 % @Wavelength 2650 - 4100 nm, Thickness 1.00 mm	49 - 55 % @Wavelength 2650 - 4100 nm, Thickness 0.0394 in	

Optical Properties	90 - 92 % Metric	90 - 92 % 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	4.0 %	4.0 %	
B2O3	1.0 %	1.0 %	
BaO	2.0 %	2.0 %	
CaO	5.0 %	5.0 %	
K2O	3.0 %	3.0 %	
MgO	3.0 %	3.0 %	
Na2O	13 %	13 %	
SiO2	69 %	69 %	

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 II	ASTM E 438
Hydrolytic Resistance	Class HGB 3	ISO 719
	Type III	Ph. Eur.
	Type III	USP

## 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