Schott N-LAF36 Glass

Category : Ceramic , Glass

Material Notes:

Information Provided by SCHOTT North America, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Schott-N-LAF36-Glass.php

Physical Properties	Metric	English	Comments
Density	4.43 g/cc	0.160 lb/inÂ³	

Mechanical Properties	Metric	English	Comments
Knoop Microhardness	680	680	.1/20
Modulus of Elasticity	110 GPa	16000 ksi	
Poissons Ratio	0.305	0.305	
Shear Modulus	42.0 GPa	6090 ksi	calculated

Thermal Properties	Metric	English	Comments
CTE, linear	5.70 Âµm/m-Â°C @Temperature -30.0 - 70.0 Â°C	3.17 Âµin/in-Â°F @Temperature -22.0 - 158 Â°F	
	6.80 Âµm/m-Â°C @Temperature 20.0 - 300 Â°C	3.78 Âµin/in-Â°F @Temperature 68.0 - 572 Â°F	
Specific Heat Capacity	0.540 J/g-Â°C	0.129 BTU/lb-Â°F	
Thermal Conductivity	0.790 W/m-K	5.48 BTU-in/hr-ftÂ²-Â°F	
Transformation Temperature, Tg	579 Â°C	1070 Â°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.79952 @Wavelength 587.6 nm	1.79952 @Wavelength 587.6 nm	n_d
	1.804 @Wavelength 546.1 nm	1.804 @Wavelength 546.1 nm	n_e
	87.2 %	87.2 %	

Optical Properties	Metric	English	Comments
Transmission, Visible	@Thickness 10.0 mm, Wavelength 380 nm	@Thickness 0.394 in, Wavelength 380 nm	
	95.4 % @Thickness 10.0 mm, Wavelength 405 nm	95.4 % @Thickness 0.394 in, Wavelength 405 nm	
	98.5 % @Thickness 10.0 mm, Wavelength 460 nm	98.5 % @Thickness 0.394 in, Wavelength 460 nm	
	99.7 % @Thickness 10.0 mm, Wavelength 580 nm	99.7 % @Thickness 0.394 in, Wavelength 580 nm	
	99.8 % @Thickness 10.0 mm, Wavelength 700 nm	99.8 % @Thickness 0.394 in, Wavelength 700 nm	
IR Transmittance	48 % @Thickness 10.0 mm, Wavelength 2500 nm	48 % @Thickness 0.394 in, Wavelength 2500 nm	
	99.2 % @Thickness 10.0 mm, Wavelength 1530 nm	99.2 % @Thickness 0.394 in, Wavelength 1530 nm	
UV Transmittance	6.8 % @Thickness 10.0 mm, Wavelength 334 nm	6.8 % @Thickness 0.394 in, Wavelength 334 nm	
	45.5 % @Thickness 10.0 mm, Wavelength 350 nm	45.5 % @Thickness 0.394 in, Wavelength 350 nm	
	73.3 % @Thickness 10.0 mm, Wavelength 365 nm	73.3 % @Thickness 0.394 in, Wavelength 365 nm	
	79.3 % @Thickness 10.0 mm, Wavelength 370 nm	79.3 % @Thickness 0.394 in, Wavelength 370 nm	

Chemical Properties	Metric	English	Comments
Acid Class, SR	52.3	52.3	
Alkali Class, AR	1.0	1.0	
Stain Resistance Class, FR	2.0	2.0	

Descriptive Properties	Value	Comments
B	0	
Climatic Resistance Test CR	1	
HG	1	
K (10-6mm2/N)	2.25	
Phosphate Resistance PR	3.3	
T1013.0 (Â°C)	582	
T107.6 (Â°C)	670	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China