

Mo-Sci Corporation GAI-40-N Green A Intruder Filter Glass

Category : Ceramic , Glass , Optical , Filter

Material Notes:

Applications: Lead-free NVIS Intruder Green A filter glass for Nichia White LED sources. Information provided by Mo-Sci Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mo-Sci-Corporation-GAI-40-N-Green-A-Intruder-Filter-Glass.php

Physical Properties	Metric	English	Comments
Density	3.20 g/cc	0.116 lb/in ³	
Thickness	1000 microns	39.4 mil	

Thermal Properties	Metric	English	Comments
CTE, linear	12.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	6.67 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	398 $\text{Å}^\circ\text{C}$	748 $\text{Å}^\circ\text{F}$	
Softening Point	427 $\text{Å}^\circ\text{C}$	801 $\text{Å}^\circ\text{F}$	Dilatometric

Optical Properties	Metric	English	Comments
Refractive Index	1.60	1.60	
Transmission, Visible	14.2 %	14.2 %	Photopic, Source NSCW100
	14.8 %	14.8 %	Photopic, Source NSCW455
UV Transmittance	0.00 %	0.00 %	
	@Wavelength 430 nm	@Wavelength 430 nm	
	0.010 %	0.010 %	
	@Wavelength 390 nm	@Wavelength 390 nm	
	0.10 %	0.10 %	
	@Wavelength 480 nm	@Wavelength 480 nm	
	0.30 %	0.30 %	
	@Wavelength 530 nm	@Wavelength 530 nm	
	0.50 %	0.50 %	
	@Wavelength 580 nm	@Wavelength 580 nm	

Descriptive Properties	Value	Comments
Chromaticity, CIE 1976	0.1	u', Source NSCW455

Descriptive Properties	Value	Comments
	0.1	v', Source NSCW100
	0.55	v', Source NSCW100
	0.55	v', Source NSCW455
NVIS Radiance	4.1E-12	NR(b), MIL-STD-3009@0.1 fL Luminance, Source NSCW455
	4.2E-12	NR(b), MIL-STD-3009@0.1 fL Luminance,, Source NSCW100
	5.4E-11	NR(a), MIL-STD-3009@0.1 fL Luminance, Source NSCW455
	5.5E-11	NR(a), MIL-STD-3009@0.1 fL Luminance, Source NSCW100
Tolerance Radius	0.01	r', Source NSCW007
	0.01	r', Source NSCW100
	0.01	r', Source NSCW455

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