

## Mo-Sci Corporation GB-40-N Green B Filter Glass

Category : Ceramic , Glass , Filter , Optical

### Material Notes:

Applications: Lead-free NVIS Green B filter glass for white LED sources. Information provided by Mo-Sci Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Mo-Sci-Corporation-GB-40-N-Green-B-Filter-Glass.php](http://www.lookpolymers.com/polymer_Mo-Sci-Corporation-GB-40-N-Green-B-Filter-Glass.php)

Physical Properties	Metric	English	Comments
Density	3.30 g/cc	0.119 lb/in <sup>3</sup>	
Thickness	1000 microns	39.4 mil	

Thermal Properties	Metric	English	Comments
CTE, linear	11.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	6.11 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	419 $\text{Å}^\circ\text{C}$	786 $\text{Å}^\circ\text{F}$	
Softening Point	453 $\text{Å}^\circ\text{C}$	847 $\text{Å}^\circ\text{F}$	Dilatometric

Optical Properties	Metric	English	Comments
Refractive Index	1.60	1.60	
Transmission, Visible	11.8 %	11.8 %	Photopic, Source NSCW100
	11.9 %	11.9 %	Photopic, Source NSCW455
UV Transmittance	0.00 %	0.00 %	
	@Wavelength 480 nm	@Wavelength 480 nm	
	0.050 %	0.050 %	
	@Wavelength 580 nm	@Wavelength 580 nm	
	0.25 %	0.25 %	
	@Wavelength 535 nm	@Wavelength 535 nm	

Descriptive Properties	Value	Comments
Chromaticity, CIE 1976	0.11	u', Source NSCW455
	0.11	u', Source NSCW100
	0.57	v', Source NSCW100
	0.58	v', Source NSCW455

<b>NVIS Radiance Descriptive Properties</b>	<b>4.6E-12 Value</b>	<b>NR(b), MIL - STD-3009@0.1 fL Luminance, Source NSCW455 Comments</b>
	4.7E-12	NR(b), MIL-STD-3009@0.1 fL Luminance,, Source NSCW100
	6.6E-11	NR(a), MIL-STD-3009@0.1 fL Luminance, Source NSCW455
	6.8E-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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