

Corning Vycor® 7921 UV-Blocking Neodymium Blue Glass

Category : Ceramic , Glass , Optical , Oxide , Silicon Oxide

Material Notes:

Absorbs yellow and UV wavelengths through a process that introduces neodymium and cerium to the glass. Because the elements that create higher color temperature and UV blocking are a part of the glass structure, a lamp can be produced without substantial loss of visible light transmission as seen with coated bulbs. It can be run in high temperature lamp manufacturing processes without additional cost or process steps. Special Features: Superior optical quality Tight dimensional control Thermal and chemical properties ideally suited to high temperatures. Excellent thermal shock resistance Information provided by Corning Incorporated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Corning-Vycor-7921-UV-Blocking-Neodymium-Blue-Glass.php

Physical Properties	Metric	English	Comments
Density	2.21 g/cc	0.0798 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	0.850 µm/m-°C	0.472 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Annealing Point	1005 °C	1841 °F	
Strain Point	890 °C	1630 °F	

Optical Properties	Metric	English	Comments
Transmission, Visible	>= 62 %	>= 62 %	Minimum visible transmission at this wavelength
	@Wavelength 575 nm	@Wavelength 575 nm	
	90 - 93 %	90 - 93 %	
	@Wavelength 400 - 550 nm	@Wavelength 400 - 550 nm	
	95 %	95 %	
	@Wavelength 700 nm	@Wavelength 700 nm	
	95 %	95 %	
	@Wavelength 600 - 700 nm	@Wavelength 600 - 700 nm	
IR Transmittance	85 %	85 %	
	@Wavelength 800 nm	@Wavelength 800 nm	
UV Transmittance	<= 1.0 %	<= 1.0 %	
	@Wavelength 200 -	@Wavelength 200 -	

Optical Properties	300 nm Metric	300 nm English	Comments
Component Elements Properties	Metric	English	Comments
SiO2	96 %	96 %	

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