

Corning Vycor® 7907 UV-Blocking Glass

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

Material Notes:

Vycor-UV™ is cerium-doped and provides homogeneous absorption of UV-B and UV-C. Special Features: Superior optical quality Tight dimensional control Thermal and chemical properties ideally suited to high temperatures. Excellent thermal shock resistance Typical Applications: Burners for halogen lamps UV-Absorbing sleeve glass Glass component where low expansion is required. Information provided by Corning Incorporated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Corning-Vycor-7907-UV-Blocking-Glass.php

Physical Properties	Metric	English	Comments
Density	2.20 g/cc	0.0795 lb/in³	

Thermal Properties	Metric	English	Comments
CTE, linear	0.800 µm/m-°C @Temperature 0.000 - 300 °C	0.444 µin/in-°F @Temperature 32.0 - 572 °F	
Maximum Service Temperature, Air	900 °C	1650 °F	Continuous
Softening Point	1530 °C	2790 °F	
Annealing Point	995 °C	1820 °F	
Strain Point	870 °C	1600 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.458 @Wavelength 589.3 nm	1.458 @Wavelength 589.3 nm	
Transmission, Visible	>= 90 % @Wavelength 450 nm	>= 90 % @Wavelength 450 nm	
UV Transmittance	<= 4.0 % @Wavelength 230 nm	<= 4.0 % @Wavelength 230 nm	
	<= 4.0 % @Wavelength 320 nm	<= 4.0 % @Wavelength 320 nm	
	<= 25 % @Wavelength 340 nm	<= 25 % @Wavelength 340 nm	

Component Elements Properties	Metric	English	Comments
SiO2	96 %	96 %	

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