

Corning 7059 Barium Borosilicate Glass

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

Material Notes:

Features a low alkali content of less than 0.3%. In thin sheet form, it is an ideal substrate glass that is also used for low-end LCD applications. Also available crushed/powdered for sealing and other uses. Information provided by Corning Incorporated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Corning-7059-Barium-Borosilicate-Glass.php

Physical Properties	Metric	English	Comments
Density	2.76 g/cc	0.0997 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	4.60 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$ @Temperature 0.000 - 300 $^\circ\text{C}$	2.56 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$ @Temperature 32.0 - 572 $^\circ\text{F}$	
Softening Point	844 $^\circ\text{C}$	1550 $^\circ\text{F}$	
Annealing Point	639 $^\circ\text{C}$	1180 $^\circ\text{F}$	
Strain Point	593 $^\circ\text{C}$	1100 $^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.5333 @Wavelength 589.3 nm	1.5333 @Wavelength 589.3 nm	

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