

Schott 8235 Dental Glass

Category : Ceramic , Glass , Oxide , Silicon Oxide

Material Notes:

Remarks: Ba-containing, without FApplication: CompositeAdvantagesGreater variety of composition and refractive indicesOutstanding transparencyBest radiopacitiesInformation Provided by SCHOTT North America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-8235-Dental-Glass.php

Physical Properties	Metric	English	Comments
Density	3.00 g/cc	0.108 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	5.00 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	2.78 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	680 $\text{Å}^\circ\text{C}$	1260 $\text{Å}^\circ\text{F}$	ISO 7884-8

Optical Properties	Metric	English	Comments
Refractive Index	1.55	1.55	n _d

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	10 %	10 %	
B ₂ O ₃	10 %	10 %	
BaO	30 %	30 %	
SiO ₂	50 %	50 %	

Descriptive Properties	Value	Comments
Hydrolytic Resistance	Class 1	DIN ISO 719
Radiopacity (digital method)	760	ISO 4049
Radiopacity as thickness of aluminium equal to 2-mm thick glass material	4.8 (240%)	ISO 4049

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