

Schott G018-307 Dental Glass

Category : Ceramic , Glass , Oxide , Silicon Oxide

Material Notes:

Remarks: Zr-containing, very low refractive indexApplication: 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-G018-307-Dental-Glass.php

Physical Properties	Metric	English	Comments
Density	2.00 g/cc	0.0723 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	4.00 Åµm/m-Å°C	2.22 Åµin/in-Å°F	
	@Temperature -30.0 - 70.0 Å°C	@Temperature -22.0 - 158 Å°F	
Transformation Temperature, Tg	550 Å°C	1020 Å°F	ISO 7884-8

Optical Properties	Metric	English	Comments
Refractive Index	1.50	1.50	n_d

Component Elements Properties	Metric	English	Comments
Al2O3	<= 5.0 %	<= 5.0 %	
B2O3	15 %	15 %	
K2O	5.0 %	5.0 %	
SiO2	65 %	65 %	
ZrO2	<= 5.0 %	<= 5.0 %	

Descriptive Properties	Value	Comments
Cs2O (%)	10	
Hydrolytic Resistance	Class 1	DIN ISO 719
La2O3 (%)	5	
Radiopacity (digital method)	340	ISO 4049

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