

Schott BG36 Band Filter

Category : Ceramic , Glass , Filter , Optical

Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz..Similar glasses include BC20

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-BG36-Band-Filter.php

Physical Properties	Metric	English	Comments
Density	3.62 g/cc	0.131 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	6.10 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.39 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	7.20 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	4.00 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	660 $\text{Å}^\circ\text{C}$	1220 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.69	1.69	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
Transmission, Visible	88 %	88 %	Internal transmittance of 100% at 653 nm.
	@Wavelength 653 nm	@Wavelength 653 nm	
IR Transmittance	88 %	88 %	Internal transmittance of 99-100% Å from 1100-1250 nm.
	@Wavelength 1100 - 1200 nm	@Wavelength 1100 - 1200 nm	
UV Transmittance	≤ 6.0 %	≤ 6.0 %	
	@Wavelength 200 - 291 nm	@Wavelength 200 - 291 nm	
Reflection Coefficient, Visible (0-1)	82 %	82 %	Internal transmittance of 93% at 399 nm
	@Wavelength 399 nm	@Wavelength 399 nm	
	0.88	0.88	

Chemical Properties	Metric	English	Comments
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Acid Class, SR Chemical Properties	52.2 Metric	52.2 English	Comments
Alkali Class, AR	1.2	1.2	
Stain Resistance Class, FR	1	1	

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