

Schott VG6 Band Pass Filter

Category : Ceramic , Glass , Optical , Filter

Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-VG6-Band-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.90 g/cc	0.105 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	9.10 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	5.06 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	10.6 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	5.89 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	470 $\text{Å}^\circ\text{C}$	878 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.55	1.55	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.56	1.56	Cd
	@Wavelength 480 nm	@Wavelength 480 nm	
Transmission, Visible	$\leq 4.0\%$	$\leq 4.0\%$	
	@Wavelength 400 nm	@Wavelength 400 nm	
	76 %	76 %	Internal transmittance of 84% at 520 nm
	@Wavelength 520 nm	@Wavelength 520 nm	
IR Transmittance	85 %	85 %	Internal transmittance of 93% from 2300-2600 nm.
	@Wavelength 2300 - 2700 nm	@Wavelength 2300 - 2700 nm	
UV Transmittance	$\leq 0.20\%$	$\leq 0.20\%$	
	@Wavelength 200 - 320 nm	@Wavelength 200 - 320 nm	
	0.40 %	0.40 %	Internal transmittance of 0.4% at 330

Optical Properties	Metric @ Wavelength 330 nm	English @ Wavelength 330 nm	Comments
Reflection Coefficient, Visible (0-1)	0.91	0.91	

Chemical Properties	Metric	English	Comments
Acid Class, SR	1	1	
Alkali Class, AR	1	1	
Stain Resistance Class, FR	0.0	0.0	

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