

Schott UG1 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-UG1-Band-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.77 g/cc	0.100 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	7.90 Åµm/m-Å°C	4.39 Åµin/in-Å°F	
	@Temperature -30.0 - 70.0 Å°C	@Temperature -22.0 - 158 Å°F	
	8.90 Åµm/m-Å°C	4.94 Åµin/in-Å°F	
	@Temperature 20.0 - 300 Å°C	@Temperature 68.0 - 572 Å°F	
Transformation Temperature, Tg	603 Å°C	1120 Å°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.57	1.57	Hg
	@Wavelength 365 nm	@Wavelength 365 nm	
Transmission, Visible	<= 0.060 %	<= 0.060 %	
	@Wavelength 420 - 680 nm	@Wavelength 420 - 680 nm	
	11 %	11 %	Internal transmittance of 12% at 400 nm
	@Wavelength 400 nm	@Wavelength 400 nm	
IR Transmittance	42 %	42 %	Internal transmittance of 47% at 750 nm.
	@Wavelength 750 nm	@Wavelength 750 nm	
UV Transmittance	<= 0.40 %	<= 0.40 %	
	@Wavelength 200 - 280 nm	@Wavelength 200 - 280 nm	
	76 %	76 %	Internal transmittance of 83% at 360

Optical Properties	Metric @ Wavelength 360 nm	English @ Wavelength 360 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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