

## Schott KG2 Short Pass Filter

Category : Ceramic , Glass , Optical , Filter

### Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz. Similar glasses include KG1, KG3, KG4, KG5

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-KG2-Short-Pass-Filter.php](http://www.lookpolymers.com/polymer_Schott-KG2-Short-Pass-Filter.php)

Physical Properties	Metric	English	Comments
Density	2.52 g/cc	0.0910 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
CTE, linear	5.40 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.00 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	6.30 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.50 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	605 $\text{Å}^\circ\text{C}$	1120 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.53	1.53	Hg
	@Wavelength 365 nm	@Wavelength 365 nm	
Transmission, Visible	73 %	73 %	
	@Wavelength 700 nm	@Wavelength 700 nm	
	88 %	88 %	Internal transmittance of 95-96% from 490-560 nm
	@Wavelength 490 - 560 nm	@Wavelength 490 - 560 nm	
IR Transmittance	71 %	71 %	Internal transmittance of 80% at 710 nm.
	@Wavelength 710 nm	@Wavelength 710 nm	
UV Transmittance	$\leq 0.60$ %	$\leq 0.60$ %	
	@Wavelength 200 - 290 nm	@Wavelength 200 - 290 nm	
	88 %	88 %	

Optical Properties	Metric @ Wavelength 370 - 390 nm	English @ Wavelength 370 - 390 nm	Comments Internal transmittance of 96-97% from 370-390 nm
Reflection Coefficient, Visible (0-1)	0.92	0.92	

Chemical Properties	Metric	English	Comments
Acid Class, SR	2	2	
Alkali Class, AR	3	3	
Stain Resistance Class, FR	0.0	0.0	

## Contact Songhan Plastic Technology Co.,Ltd.

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