

## Schott KG3 Short Pass Filter

Category : Ceramic , Glass , Filter , Optical

### Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz. Similar glasses include KG2, KG1, KG4, KG5

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-KG3-Short-Pass-Filter.php](http://www.lookpolymers.com/polymer_Schott-KG3-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	5.30 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	2.94 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	6.10 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.39 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	581 $\text{Å}^\circ\text{C}$	1080 $\text{Å}^\circ\text{F}$	

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	79 %	79 %	
	@Wavelength 700 nm	@Wavelength 700 nm	
	90 %	90 %	Internal transmittance of 97% at 550-570 nm
	@Wavelength 500 - 580 nm	@Wavelength 500 - 580 nm	
IR Transmittance	77 %	77 %	Internal transmittance of 86% at 710 nm.
	@Wavelength 710 nm	@Wavelength 710 nm	
UV Transmittance	$\leq 0.90$ %	$\leq 0.90$ %	
	@Wavelength 200 - 290 nm	@Wavelength 200 - 290 nm	
	90 %	90 %	Internal transmittance of 97% at 390

Optical Properties	Metric @ Wavelength 390 nm	English @ Wavelength 390 nm	Comments
Reflection Coefficient, Visible (0-1)	0.92	0.92	

Chemical Properties	Metric	English	Comments
Acid Class, SR	2	2	
Alkali Class, AR	4	4	
Stain Resistance Class, FR	0.0	0.0	

## Contact Songhan Plastic Technology Co.,Ltd.

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