

## Schott KG5 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, KG3, KG4, KG1

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-KG5-Short-Pass-Filter.php](http://www.lookpolymers.com/polymer_Schott-KG5-Short-Pass-Filter.php)

Physical Properties	Metric	English	Comments
Density	2.53 g/cc	0.0914 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 $\text{Å}^\circ\text{F}$	
	6.20 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.44 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	565 $\text{Å}^\circ\text{C}$	1050 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.52	1.52	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.52	1.52	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
Transmission, Visible	37 %	37 %	
	@Wavelength 700 nm	@Wavelength 700 nm	
	81 - 82 %	81 - 82 %	Internal transmittance of 88-89% from 470-580 nm.
	@Wavelength 470 - 580 nm	@Wavelength 470 - 580 nm	
IR Transmittance	32 %	32 %	Internal transmittance of 35% at 710 nm.
	@Wavelength 710 nm	@Wavelength 710 nm	
UV Transmittance	$\leq 0.20$ %	$\leq 0.20$ %	
	@Wavelength 200 - 2900 nm	@Wavelength 200 - 2900 nm	
	84 %	84 %	Internal transmittance of 91% at 380

Optical Properties	Metric @ Wavelength 380 nm	English @ Wavelength 380 nm	Comments
Reflection Coefficient, Visible (0-1)	0.92	0.92	

Chemical Properties	Metric	English	Comments
Acid Class, SR	3	3	
Alkali Class, AR	4	4	
Stain Resistance Class, FR	0.0	0.0	

## Contact Songhan Plastic Technology Co.,Ltd.

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