

## Schott RG9 Band Pass Filter

Category : Ceramic , Glass , Optical , Filter

### Material Notes:

Colloidally/ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-RG9-Band-Pass-Filter.php](http://www.lookpolymers.com/polymer_Schott-RG9-Band-Pass-Filter.php)

Physical Properties	Metric	English	Comments
Density	2.76 g/cc	0.0997 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
CTE, linear	9.80 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	5.44 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	10.7 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	5.94 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@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 $\text{Å}^\circ\text{F}$	
Glass Temperature Coefficient	0.070	0.070	

Optical Properties	Metric	English	Comments
Refractive Index	1.54	1.54	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
Transmission, Visible	$\leq 0.0010\%$	$\leq 0.0010\%$	
	@Wavelength 400 - 690 nm	@Wavelength 400 - 690 nm	
	0.40 %	0.40 %	Internal transmittance of 0.4% at 400 nm
	@Wavelength 700 nm	@Wavelength 700 nm	
	0.40 %	0.40 %	
	@Wavelength 700 nm	@Wavelength 700 nm	
IR Transmittance	88 %	88 %	Internal transmittance of 97% from 780-800 nm.
	@Wavelength 770 - 800 nm	@Wavelength 770 - 800 nm	
UV Transmittance	$\leq 0.0010\%$	$\leq 0.0010\%$	Internal transmittance of less than 0.001% from 200-390 nm
	@Wavelength 200 -	@Wavelength 200 -	

Optical Properties	390 nm Metric	390 nm English	Comments
Reflection Coefficient, Visible (0-1)	0.91	0.91	

Chemical Properties	Metric	English	Comments
Acid Class, SR	4.4	4.4	
Alkali Class, AR	1	1	
Stain Resistance Class, FR	3	3	

## Contact Songhan Plastic Technology Co.,Ltd.

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