

## Schott RG645 Long Pass Filter

Category : Ceramic , Glass , Filter , Optical

### Material Notes:

Colloidally colored glass. Data provided by the manufacturer, Schott Glas Mainz. Similar glasses include GG395, GG400, GG420, GG435, GG455, GG475, GG495, OG515, OG530, OG550, OG570, OG590, RG610, RG630, GG385, RG665, RG695, RG715, RG780, RG830, RG850, RG1000, WG225, WG280, WG295, WG305, WG320

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Schott-RG645-Long-Pass-Filter.php](http://www.lookpolymers.com/polymer_Schott-RG645-Long-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 Åµm/m-Å°C	5.44 Åµin/in-Å°F	
	@Temperature -30.0 - 70.0 Å°C	@Temperature -22.0 - 158 Å°F	
	10.7 Åµm/m-Å°C	5.94 Åµin/in-Å°F	
	@Temperature 20.0 - 300 Å°C	@Temperature 68.0 - 572 Å°F	
Transformation Temperature, Tg	597 Å°C	1110 Å°F	
Glass Temperature Coefficient	0.16	0.16	

Optical Properties	Metric	English	Comments
Refractive Index	1.53	1.53	Cs
	@Wavelength 852.1 nm	@Wavelength 852.1 nm	
	1.53	1.53	Hg
	@Wavelength 1014 nm	@Wavelength 1014 nm	
	1.54	1.54	He
	@Wavelength 578.6 nm	@Wavelength 578.6 nm	
Transmission, Visible	<= 0.0090 %	<= 0.0090 %	
	@Wavelength 400 - 620 nm	@Wavelength 400 - 620 nm	
	90 %	90 %	Internal transmittance of 99% at 690 nm
	@Wavelength 690 nm	@Wavelength 690 nm	
	91 %	91 %	

<b>Optical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
	@Wavelength 700 - 1800 nm	@Wavelength 700 - 1800 nm	Internal transmittance of 100% from 700-1800 nm.
UV Transmittance	0.0010 % @Wavelength 200 - 400 nm	0.0010 % @Wavelength 200 - 400 nm	Internal transmittance of 0.001% or less from 200-400 nm.
Reflection Coefficient, Visible (0-1)	0.91	0.91	

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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China