Schott GG420 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, GG385, GG435, GG455, GG475, GG495, OG515, OG530, OG550, OG570, OG590, RG610, RG630, RG645, 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-GG420-Long-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.76 g/cc	0.0997 lb/inÂ³	

Thermal Properties	Metric	English	Comments
CTE, linear	7.70 Âµm/m-Â°C @Temperature -30.0 - 70.0 Â°C	4.28 Âµin/in-Â°F @Temperature -22.0 - 158 Â°F	
	8.60 Âµm/m-Â°C @Temperature 20.0 - 300 Â°C	4.78 Âµin/in-Â°F @Temperature 68.0 - 572 Â°F	
Transformation Temperature, Tg	586 Â°C	1090 Â°F	
Glass Temperature Coefficient	0.080	0.080	

Optical Properties	Metric	English	Comments
Refractive Index	1.53 @Wavelength 1014 nm	1.53 @Wavelength 1014 nm	Hg
	1.54 @Wavelength 587.6 nm	1.54 @Wavelength 587.6 nm	He
	1.56 @Wavelength 435.8 nm	1.56 @Wavelength 435.8 nm	Hg
Transmission, Visible	<= 0.70 % @Wavelength 400 - 410 nm	<= 0.70 % @Wavelength 400 - 410 nm	
	90 % @Wavelength 500 - 510 nm	90 % @Wavelength 500 - 510 nm	Internal transmittance of 99% from 500-510 nm

Optical Properties	Metric	English	Comments
IR Transmittance	91 % @Wavelength 710 - 1600 nm	91 % @Wavelength 710 - 1600 nm	Internal transmittance of 100% from 710-1600 nm.
UV Transmittance	0.0010 % @Wavelength 200 - 400 nm	0.0010 % @Wavelength 200 - 400 nm	Internal transmittance of 0.001% from 200-400 nm.
Reflection Coefficient, Visible (0-1)	0.90	0.90	

Chemical Properties	Metric	English	Comments
Acid Class, SR	1	1	
Alkali Class, AR	2.3	2.3	
Stain Resistance Class, FR	0.0	0.0	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China