Schott GG435 Long Pass Filter

Category : Ceramic , Glass , Optical , Filter

Material Notes:

Colloidally colored glass. Data provided by the manufacturer, Schott Glas Mainz.Similar glasses include GG395, GG400, GG420, GG385, 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-GG435-Long-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.75 g/cc	0.0994 lb/inÂ³	

Thermal Properties	Metric	English	Comments
CTE, linear	9.60 Âµm/m-Â°C @Temperature -30.0 - 70.0 Â°C	5.33 Âµin/in-Â°F @Temperature -22.0 - 158 Â°F	
	10.5 Âµm/m-Â°C @Temperature 20.0 - 300 Â°C	5.83 Âµin/in-Â°F @Temperature 68.0 - 572 Â°F	
Transformation Temperature, Tg	605 Â°C	1120 Â°F	
Glass Temperature Coefficient	0.070	0.070	

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
	1.55 @Wavelength 480 nm	1.55 @Wavelength 480 nm	Cd
Transmission, Visible	0.0010 % @Wavelength 400 - 420 nm	0.0010 % @Wavelength 400 - 420 nm	
	89 - 90 % @Wavelength 470 - 700 nm	89 - 90 % @Wavelength 470 - 700 nm	Internal transmittance from 98-99% from 470-700 nm.

Optical Properties	Metric	English	Comments
IR Transmittance	91 % @Wavelength 710 - 1600 nm	91 % @Wavelength 710 - 1600 nm	Internal transmittance of 100% A from 710-1600 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	

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

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