

Schott WG295 Long Pass Filter

Category : Ceramic , Glass , Optical , Filter

Material Notes:

Base 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, RG645, RG665, RG695, RG715, RG780, RG830, RG850, RG1000, WG225, WG280, GG385, WG305, WG320

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-WG295-Long-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.51 g/cc	0.0907 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	3.80 Åµm/m-Å°C	2.11 Åµin/in-Å°F	
	@Temperature -30.0 - 70.0 Å°C	@Temperature -22.0 - 158 Å°F	
	4.10 Åµm/m-Å°C	2.28 Åµin/in-Å°F	
	@Temperature 20.0 - 300 Å°C	@Temperature 68.0 - 572 Å°F	
Transformation Temperature, Tg	557 Å°C	1030 Å°F	
Glass Temperature Coefficient	0.020	0.020	

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	Hg
	@Wavelength 1014 nm	@Wavelength 1014 nm	
	1.52	1.52	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.54	1.54	Hg
	@Wavelength 334.1 nm	@Wavelength 334.1 nm	
Transmission, Visible	92 %	92 %	Internal transmittance of 100% Å from 400-700 nm.
	@Wavelength 400 - 700 nm	@Wavelength 400 - 700 nm	
IR Transmittance	92 %	92 %	Internal transmittance of 100% Å from 700-1600 nm.
	@Wavelength 700 - 1600 nm	@Wavelength 700 - 1600 nm	

Optical Properties UV Transmittance	$\leq 0.060\%$ Metric	$\leq 0.060\%$ English	Comments
	@Wavelength 200 - 270 nm	@Wavelength 200 - 270 nm	
	92 %	92 %	Internal transmittance of 100% Å from 360-390 nm
	@Wavelength 360 - 390 nm	@Wavelength 360 - 390 nm	
Reflection Coefficient, Visible (0-1)	0.93	0.93	

Chemical Properties	Metric	English	Comments
Acid Class, SR	51.3	51.3	
Alkali Class, AR	3.3	3.3	
Stain Resistance Class, FR	3	3	

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