

Schott WG320 Long Pass Filter

Category : Ceramic , Glass , Filter , Optical

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, WG295, WG305, GG385

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-WG320-Long-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	3.22 g/cc	0.116 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	7.10 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.94 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	8.30 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	4.61 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	413 $\text{Å}^\circ\text{C}$	775 $\text{Å}^\circ\text{F}$	
Glass Temperature Coefficient	0.060	0.060	

Optical Properties	Metric	English	Comments
Refractive Index	1.46	1.46	He
	@Wavelength 1014 nm	@Wavelength 1014 nm	
	1.47	1.47	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
	1.49	1.49	Hg
	@Wavelength 365 nm	@Wavelength 365 nm	
	1.52	1.52	Hg
	@Wavelength 253.7 nm	@Wavelength 253.7 nm	
Transmission, Visible	90 %	90 %	Internal transmittance of 100% Å from 400-700 nm.
	@Wavelength 400 - 700 nm	@Wavelength 400 - 700 nm	
	90 %	90 %	

Optical Properties	Metric	English	Comments
	@Wavelength 2500 - 2600 nm	@Wavelength 2500 - 2600 nm	Internal transmittance of 86% from 100 - 1100 nm.
UV Transmittance	<= 0.20 %	<= 0.20 %	
	@Wavelength 200 - 270 nm	@Wavelength 200 - 270 nm	
	90 %	90 %	Internal transmittance of 100% Å from 370-390 nm
	@Wavelength 370 - 390 nm	@Wavelength 370 - 390 nm	
Reflection Coefficient, Visible (0-1)	0.92	0.92	

Chemical Properties	Metric	English	Comments
Acid Class, SR	1	1	
Alkali Class, AR	2	2	
Stain Resistance Class, FR	0.0	0.0	

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