

Schott WG225 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, GG385, WG280, WG295, WG305, WG320

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-WG225-Long-Pass-Filter.php

Physical Properties	Metric	English	Comments
Density	2.17 g/cc	0.0784 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	9.50 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	5.28 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	10.5 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	5.83 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	437 $\text{Å}^\circ\text{C}$	819 $\text{Å}^\circ\text{F}$	
Glass Temperature Coefficient	0.24	0.24	

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	93 %	93 %	Internal transmittance of 100% Å from 400-700 nm.
	@Wavelength 400 - 700 nm	@Wavelength 400 - 700 nm	
	93 %	93 %	

Optical Properties	Metric	English	Comments
	@Wavelength 700 - 1900 nm	@Wavelength 700 - 1900 nm	Internal transmittance of 100% at Wavelength 700-1900 nm.
UV Transmittance	0.13 %	0.13 %	
	@Wavelength 200 nm	@Wavelength 200 nm	
	92 %	92 %	Internal transmittance of 99% at 390 nm
	@Wavelength 390 nm	@Wavelength 390 nm	
Reflection Coefficient, Visible (0-1)	0.91	0.91	

Chemical Properties	Metric	English	Comments
Acid Class, SR	53.4	53.4	
Alkali Class, AR	1	1	
Stain Resistance Class, FR	5	5	

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