

Schott NG9 Neutral Density Filter

Category : Ceramic , Glass , Optical , Filter

Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz..Similar glasses include NG3, NG4, NG5, NG1, NG10, NG11, NG 12

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-NG9-Neutral-Density-Filter.php

Physical Properties	Metric	English	Comments
Density	2.44 g/cc	0.0882 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	6.40 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.56 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $\text{Å}^\circ\text{C}$	@Temperature -22.0 - 158 $\text{Å}^\circ\text{F}$	
	7.20 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	4.00 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $\text{Å}^\circ\text{C}$	@Temperature 68.0 - 572 $\text{Å}^\circ\text{F}$	
Transformation Temperature, Tg	487 $\text{Å}^\circ\text{C}$	909 $\text{Å}^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
Transmission, Visible	3.0 - 6.0 %	3.0 - 6.0 %	
	@Wavelength 410 - 690 nm	@Wavelength 410 - 690 nm	
	8.0 %	8.0 %	Internal transmittance of 9% Å at 700 nm
	@Wavelength 700 nm	@Wavelength 700 nm	
IR Transmittance	49 %	49 %	Internal transmittance of 53% at 2600 nm.
	@Wavelength 2600 nm	@Wavelength 2600 nm	
UV Transmittance	≤ 1.0 %	≤ 1.0 %	Internal transmittance of 0.001% from 200-390 nm.
	@Wavelength 200 - 390 nm	@Wavelength 200 - 390 nm	
Reflection Coefficient, Visible (0-1)	0.92	0.92	

Chemical Properties	Metric	English	Comments
Acid Class, SR	3.2	3.2	
Alkali Class, AR	2	2	
Stain Resistance Class, FR	1	1	

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