

Schott NG3 Neutral Density Filter

Category : Ceramic , Glass , Optical , Filter

Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz..Similar glasses include NG1, NG4, NG5, NG9, NG10, NG11, NG 12

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-NG3-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	6.50 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	3.61 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature -30.0 - 70.0 $^\circ\text{C}$	@Temperature -22.0 - 158 $^\circ\text{F}$	
	7.30 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	4.06 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
	@Temperature 20.0 - 300 $^\circ\text{C}$	@Temperature 68.0 - 572 $^\circ\text{F}$	
Transformation Temperature, Tg	462 $^\circ\text{C}$	864 $^\circ\text{F}$	

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
Transmission, Visible	$\leq 9.0\%$	$\leq 9.0\%$	
	@Wavelength 400 - 450 nm	@Wavelength 400 - 450 nm	
	17 %	17 %	Internal transmittance of 19% at 700 nm
	@Wavelength 700 nm	@Wavelength 700 nm	
IR Transmittance	54 %	54 %	Internal transmittance of 59% at 2600 nm.
	@Wavelength 2600 nm	@Wavelength 2600 nm	
UV Transmittance	4.0 %	4.0 %	Internal transmittance of 55 at 390 nm.
	@Wavelength 390 nm	@Wavelength 390 nm	
Reflection Coefficient, Visible (0-1)	0.92	0.92	

Chemical Properties	Metric	English	Comments
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Acid Class, SP Chemical Properties	2.2 Metric	2.2 English	Comments
Alkali Class, AR	1	1	
Stain Resistance Class, FR	1	1	

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