

Schott NG4 Neutral Density Filter

Category : Ceramic , Glass , Filter , Optical

Material Notes:

Ionically colored glass. Data provided by the manufacturer, Schott Glas Mainz..Similar glasses include NG3, NG1, NG5, NG9, NG10, NG11, NG 12

Order this product through the following link:

http://www.lookpolymers.com/polymer_Schott-NG4-Neutral-Density-Filter.php

Physical Properties	Metric	English	Comments
Density	2.43 g/cc	0.0878 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	6.70 Åµm/m-Å°C	3.72 Åµin/in-Å°F	
	@Temperature -30.0 - 70.0 Å°C	@Temperature -22.0 - 158 Å°F	
	7.20 Åµm/m-Å°C	4.00 Åµin/in-Å°F	
	@Temperature 20.0 - 300 Å°C	@Temperature 68.0 - 572 Å°F	
Transformation Temperature, Tg	483 Å°C	901 Å°F	

Optical Properties	Metric	English	Comments
Refractive Index	1.51	1.51	He
	@Wavelength 587.6 nm	@Wavelength 587.6 nm	
Transmission, Visible	36 %	36 %	Internal transmittance of 39% at 700 nm.
	@Wavelength 700 nm	@Wavelength 700 nm	
IR Transmittance	60 %	60 %	Internal transmittance of 65% at 2600 nm.
	@Wavelength 2600 nm	@Wavelength 2600 nm	
UV Transmittance	<= 0.60 %	<= 0.60 %	
	@Wavelength 200 - 340 nm	@Wavelength 200 - 340 nm	
	21 %	21 %	Internal transmittance of 23% 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	3.2 Metric	3.2 English	Comments
Alkali Class, AR	2	2	
Stain Resistance Class, FR	1	1	

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