

50mm Dia. x 3mm Thickness Uncoated, Sodium Chloride Window



Stock **#68-819** [CONTACT US](#)

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£172^{.80}

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Volume Pricing	
Qty 1-10	£172.80 each
Qty 11-25	£155.20 each
Qty 26-49	£146.40 each
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Protective Window

Physical & Mechanical Properties

Bevel:

Protective as needed

Diameter (mm):

50.00 ±0.50

3.00 ±0.50	Thickness (mm):
Fine Ground	Edges:
18.20	Knoop Hardness (kg/mm²):
0.25	Poisson's Ratio:

39.98	Young's Modulus (GPa):
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Optical Properties

42.89	Abbe Number (v _d):
Uncoated	Coating:

1.544	Index of Refraction (n _d):
Sodium Chloride (NaCl)	Substrate:

60-40	Surface Quality:
250 - 16000	Wavelength Range (nm):

Material Properties

44	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):
2.17	Density (g/cm³):

35.70	Solubility, in 100g of H ₂ O @273K (g):
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Regulatory Compliance

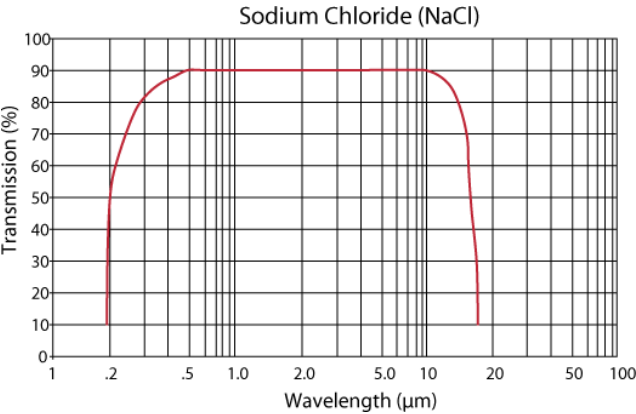
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

Product Details

- Excellent Transmission from 250nm – 16µm
- Low Cost
- Ideal for FTIR Spectroscopy
- Potassium Bromide (KBr) Windows Also Available

Sodium Chloride (NaCl) Windows are ideal for FTIR spectroscopy. Sodium Chloride (NaCl) is a material commonly used in FTIR spectroscopy. NaCl is a relatively low-cost cubic crystalline material that has excellent transmission from 250nm – 16µm. Sodium Chloride (NaCl) Windows, over this large spectral range, have an index of refraction that ranges between 1.4 - 1.6. It is hygroscopic by nature and thus samples should not contain water. The windows are sensitive to thermal shock but can be used in temperatures up to 400°C. NaCl has a density of 2.17 g/cm3 and a Knoop Hardness of 18.2.

Technical Information



Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools

Compatible Mounts
