

25mm Dia. x 4mm Thickness Uncoated, Sodium Chloride Window



Stock **#68-816** **7 In Stock**

- 1 + C\$108^{.50}

ADD TO CART

Volume Pricing

| | |
|------------|-------------------------------|
| Qty 1-10 | C\$108.50 each |
| Qty 11-25 | C\$98.00 each |
| Qty 26-49 | C\$91.70 each |
| Need More? | Request Quote |

Product Downloads

General

Protective Window **Type:**
Crystal **Type of Window:**

Physical & Mechanical Properties

25.00 ±0.50 **Diameter (mm):**

| | |
|----------------------|--|
| 4.00 ±0.50 | Thickness (mm): |
| ±0.50 | Dimensional Tolerance (mm): |
| Protective as needed | Bevel: |
| Fine Ground | Edges: |
| 0.25 | Poisson's Ratio: |
| 39.98 | Young's Modulus (GPa): |
| 18.20 | Knoop Hardness (kg/mm²): |

Optical Properties

| | |
|------------------------|---|
| Uncoated | Coating: |
| Sodium Chloride (NaCl) | Substrate: <input type="checkbox"/> |
| 1.544 | Index of Refraction (n_d): |
| 60-40 | Surface Quality: |
| 42.89 | Abbe Number (v_d): |
| 250 - 16000 | Wavelength Range (nm): |

Material Properties

| | |
|-------|---|
| 2.17 | Density (g/cm³): |
| 44 | Coefficient of Thermal Expansion CTE (10⁻⁶/°C): |
| 35.70 | Solubility, in 100g of H₂O @ 273K (g): |

Regulatory Compliance

| | |
|---------------------------|------------------------------------|
| Compliant | RoHS 2015: |
| Compliant | Reach 219: |
| View | Certificate of Conformance: |

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
