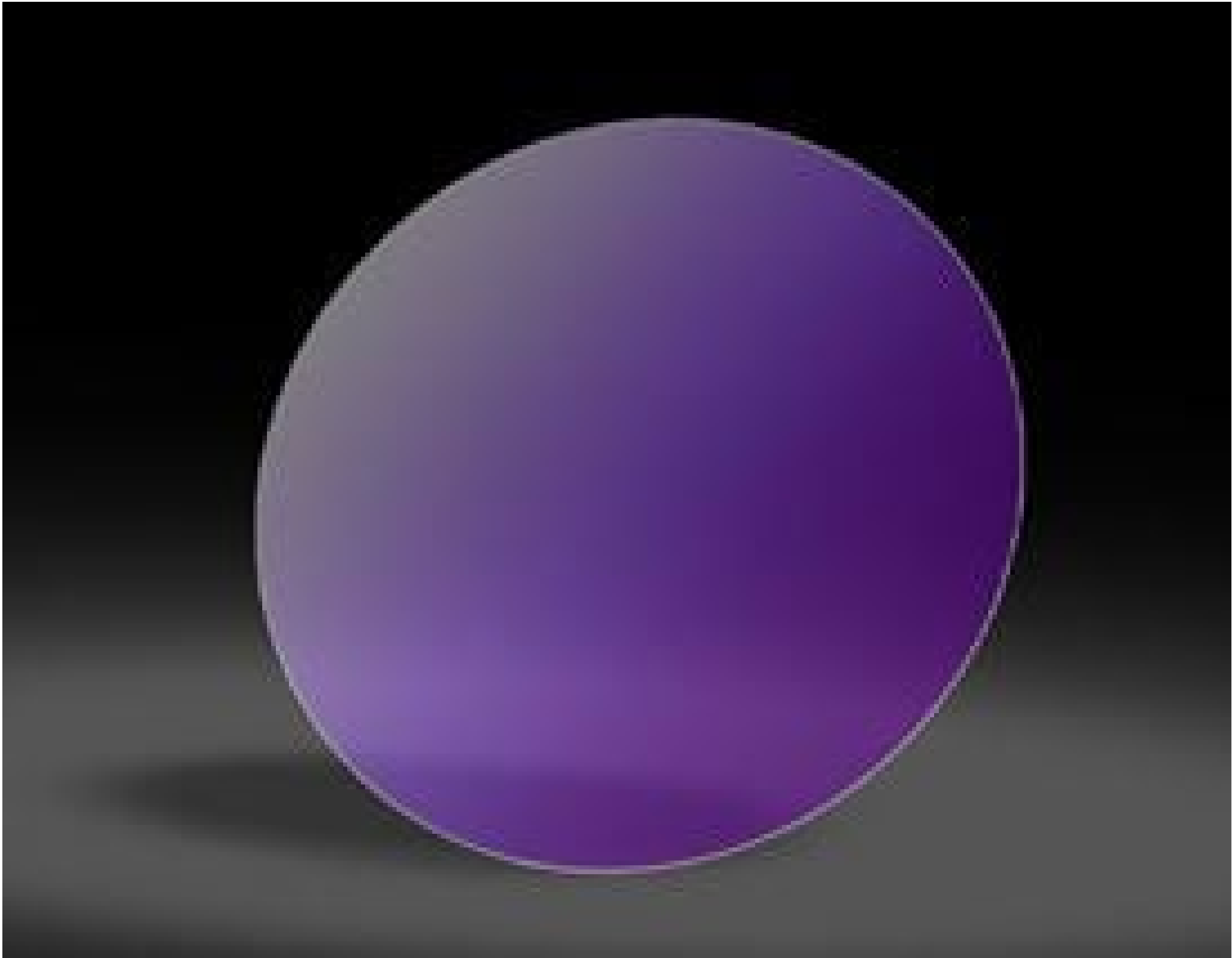


## 50mm Dia., 0.7mm Thick, EAGLE XG® Window



Stock #18-294 12 In Stock

-

1

+

₹2,751

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹2,751 each                   |
| Qty 6-25       | ₹2,219 each                   |
| Qty 26-99      | ₹2,054 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

### SPECIFICATIONS

#### General

Protective Window

Type:

#### Physical & Mechanical Properties

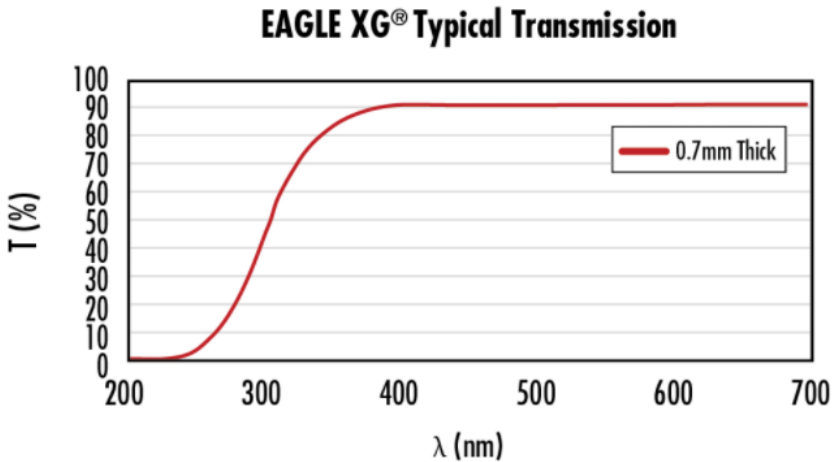
|                       |                                                              |
|-----------------------|--------------------------------------------------------------|
| Protective as needed  | Bevel:                                                       |
| 90                    | Clear Aperture (%):                                          |
| 45.00                 | Clear Aperture CA (mm):                                      |
| 50.00 ±0.25           | Diameter (mm):                                               |
| 0.70 ±0.07            | Thickness (mm):                                              |
| Fine Ground           | Edges:                                                       |
| 0.23                  | Poisson's Ratio:                                             |
| 73.6                  | Young's Modulus (GPa):                                       |
| Optical Properties    |                                                              |
| Uncoated              | Coating:                                                     |
| 1.51                  | Index of Refraction (n <sub>d</sub> ):                       |
| EAGLE XG®             | Substrate:                                                   |
| 80-50                 | Surface Quality:                                             |
| 350 - 2000            | Wavelength Range (nm):                                       |
| Material Properties   |                                                              |
| 3.17 (0 to +300°C)    | Coefficient of Thermal Expansion CTE (10 <sup>-6</sup> /°C): |
| 2.38                  | Density (g/cm³):                                             |
| Regulatory Compliance |                                                              |
| Compliant             | RoHS 2015:                                                   |
| View                  | Certificate of Conformance:                                  |
| Compliant             | Reach 247:                                                   |

## PRODUCT DETAILS

- Thin 0.7mm EAGLE XG® Substrates
- High Chemical Resistance and Excellent Durability
- Low Density for Weight Sensitive Applications

EAGLE XG® Windows are constructed from heavy-metal free glass through a fusion drawn process, providing these windows with exceptionally smooth, flat surfaces. These windows have high transmission in the visible spectrum, excellent environmental durability, and high chemical resistance. The low density of Corning® EAGLE XG® coupled with the thinness of these windows makes them ideal for weight and space sensitive applications. EAGLE XG® Windows are used as substrates for mobile device LCDs, substrates for polarizers, wafers for semiconductor applications, or protective windows for electronic displays.

## TECHNICAL INFORMATION



## CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## QUOTE YOUR SIZE

