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ISP Optics Barium Fluoride (BaF₂) Windows See More by [ISP Optics](#)



- Excellent Transmission from 0.2 - 12μm
- Resistant to High-Energy Radiation
- High Transmission without AR Coatings





Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Clear Aperture (%):	85
Edges:	Fine Ground	Knoop Hardness (kg/mm²):	82.00
Parallelism (arcmin):	<3	Poisson's Ratio:	0.34
Young's Modulus (GPa):	53		
Optical Properties			
Abbe Number (v _d):	81.78		
Axis Orientation:	Random	Coating:	Uncoated
Index of Refraction (n _d):	1.48	Substrate:	Barium Fluoride (BaF₂)
Surface Flatness (P-V):	2λ	Surface Quality:	40-20
Wavelength Range (nm):	200 - 12000		
Material Properties			
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):		18.1	
Density (g/cm³):		4.89	
Environmental & Durability Factors			
Operating Temperature (°C):		Maximum: 800	

Technical Information

Products

Dia. (mm)	Thickness (mm)	Coating	Model Number	Stock Number	Price	Buy
#24-494 Clearance						
						
Clearance						
Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.						
25.40	4.00	Uncoated	BF-W-25-4		£105.36	Contact Us
#24-497 Clearance						
						
Clearance						
Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.						
38.10	1.00	Uncoated	BF-W-38-1		£196.31	14 In Stock

[#24-498 Clearance](#)



Clearance

Availability
is limited,
so buy
before
these
products
disappear.
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cannot
accept
returns.
Receive up
to 80% off
select
products.

38.10

2.00

Uncoated

BF-W-
38-2

£196.31

5 In Stock

[#24-500 Clearance](#)



Clearance

Availability
is limited,
so buy
before
these
products
disappear.
Sorry, we
cannot
accept
returns.
Receive up
to 80% off
select
products.

38.10

4.00

Uncoated

BF-W-
38-4

£164.86

5 In Stock

[#24-502 Clearance](#)



Clearance

Availability
is limited,
so buy
before
these
products
disappear.
Sorry, we
cannot
accept
returns.
Receive up
to 80% off
select
products.

38.10	6.00	Uncoated	BF-W-38-6	£186.96	1 In Stock
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Phone: 1-800-363-1992 :
www.edmundoptics.com