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TECHSPEC® Barium Fluoride (BaF₂) Windows


- Excellent Transmission from 200nm - 12μm
- Resistant to High-Energy Radiation
- Provide High Transmission without AR Coatings

Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed	Edges:	Fine Ground
Knoop Hardness (kg/mm²):	82	Parallelism (arcmin):	<3
Poisson's Ratio:	0.343	Young's Modulus (GPa):	53

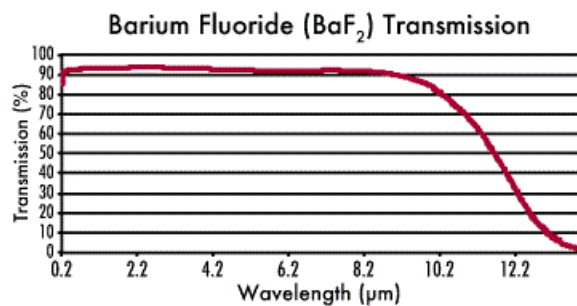
Optical Properties

Abbe Number (v_d):	81.78	Index of Refraction (n_d):	1.48
Substrate:	Barium Fluoride (BaF ₂)	Surface Quality:	60-40

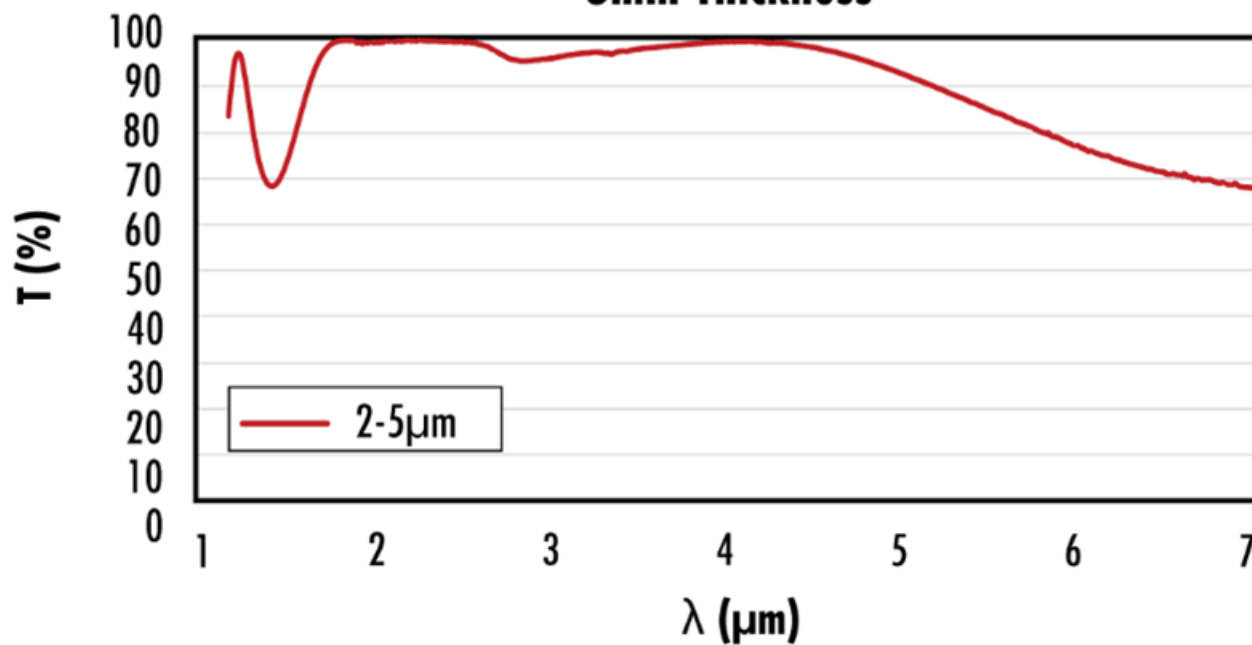
Material Properties

Coefficient of Thermal Expansion CTE (10⁻⁶/°C):	18.1	Density (g/cm³):	4.89
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Technical Information



Infrared AR Coated Barium Fluoride Windows 3mm Thickness



Products

Dia. (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
5.00	1.00	Uncoated	#87-699	€117,00 Qty 11+ €106,00	3-4 days
12.50	2.00	Uncoated	#87-700	€172,00 Qty 11+ €154,00	3-4 days
25.00	3.00	Uncoated	#87-701	€268,00 Qty 11+ €241,00	3-4 days
25.40	3.00	Uncoated	#18-362	€268,00 Qty 11+ €241,00	3-4 days
50.00	3.00	Uncoated	#87-702	€645,00 Qty 11+ €580,00	3-4 days
50.80	3.00	Uncoated	#18-363	€645,00 Qty 11+ €580,00	3-4 days
5.00	1.00	BBAR (2000-5000nm)	#23-526	€164,00 Qty 11+ €148,00	3-4 days
12.50	2.00	BBAR (2000-5000nm)	#23-527	€218,00 Qty 11+ €197,00	3-4 days
12.70	2.00	BBAR (2000-5000nm)	#23-528	€218,00 Qty 11+ €197,00	3-4 days
25.00	3.00	BBAR (2000-5000nm)	#23-529	€315,00 Qty 11+ €283,00	3-4 days
25.40	3.00	BBAR (2000-5000nm)	#23-530	€315,00 Qty 11+ €283,00	3-4 days
50.00	3.00	BBAR (2000-5000nm)	#23-531	€700,00 Qty 11+ €630,00	3-4 days
50.80	3.00	BBAR (2000-5000nm)	#23-532	€700,00 Qty 11+ €630,00	3-4 days



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