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TECHSPEC® Magnesium Fluoride (MgF₂) Windows

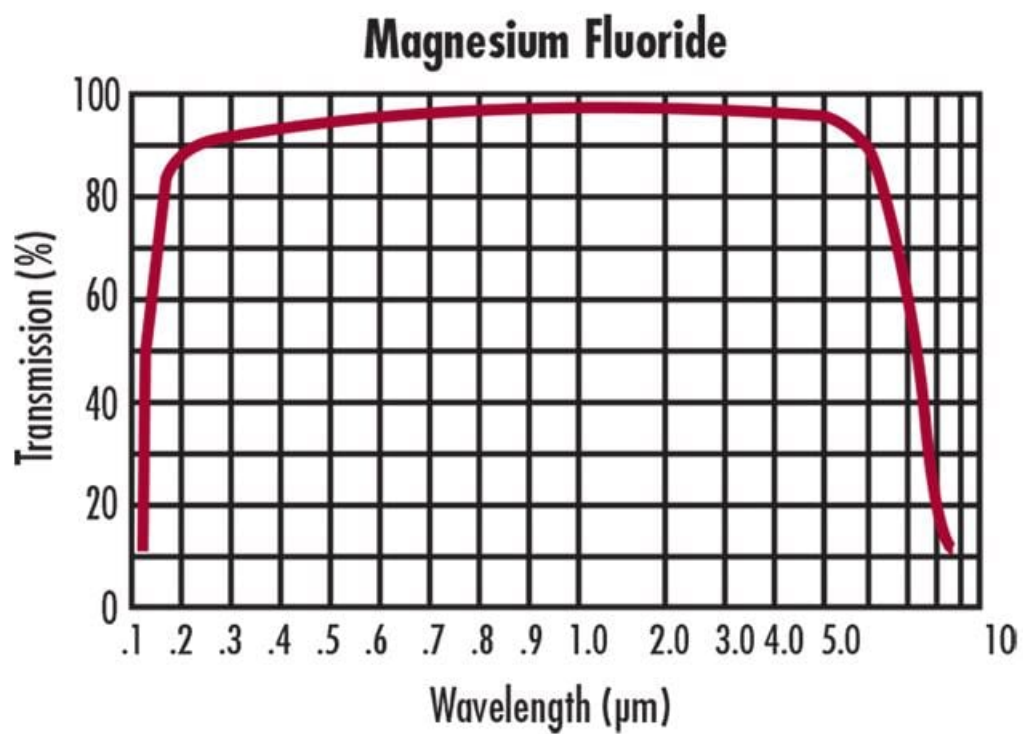


- Excellent Transmission from 120nm to 7μm
- Rugged and Durable
- Resistant to Chemical Etching

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Clear Aperture (%):	90
Edges:	Fine Ground	Knoop Hardness (kg/mm ²):	415.00
Parallelism (arcmin):	<1	Poisson's Ratio:	0.27
Young's Modulus (GPa):	138		
Optical Properties			
Abbe Number (v _d):	106.22		
Coating:	Uncoated	Index of Refraction (n _d):	1.377
Substrate:	Magnesium Fluoride (MgF ₂)	Surface Quality:	40-20
Wavelength Range (nm):	120 - 7000		
Material Properties			
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):		13.7	
Density (g/cm ³):		3.18	

Technical Information



Products

Dia. (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
5.00	1.00	Uncoated	#64-092	₹9,242 Qty 11+ ₹8,142	10 to 12 days
10.00	1.50	Uncoated	#87-703	₹11,589 Qty 11+ ₹10,196	Contact Us
12.50	2.00	Uncoated	#64-093	₹15,624 Qty 11+ ₹13,790	10 to 12 days
12.70	2.00	Uncoated	#17-281	₹15,624 Qty 11+ ₹13,790	Contact Us
20.00	2.00	Uncoated	#87-704	₹21,051 Qty 11+ ₹18,558	Contact Us
25.00	3.00	Uncoated	#64-094	₹23,325 Qty 11+ ₹20,611	10 to 12 days
25.40	3.00	Uncoated	#17-282	₹23,325 Qty 11+ ₹20,611	10 to 12 days
30.00	3.00	Uncoated	#19-921	₹28,533 Qty 11+ ₹25,159	10 to 12 days
40.00	3.00	Uncoated	#19-922	₹40,709 Qty 11+ ₹36,015	10 to 12 days
50.00	3.00	Uncoated	#64-095	₹53,912 Qty 11+ ₹47,457	10 to 12 days
50.80	3.00	Uncoated	#17-283	₹53,912 Qty 11+ ₹47,457	10 to 12 days
75.00	5.00	Uncoated	#19-924	₹1,50,368 Qty 11+ ₹1,32,617	Contact Us



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