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TECHSPEC® Magnesium Fluoride (MgF₂) Windows

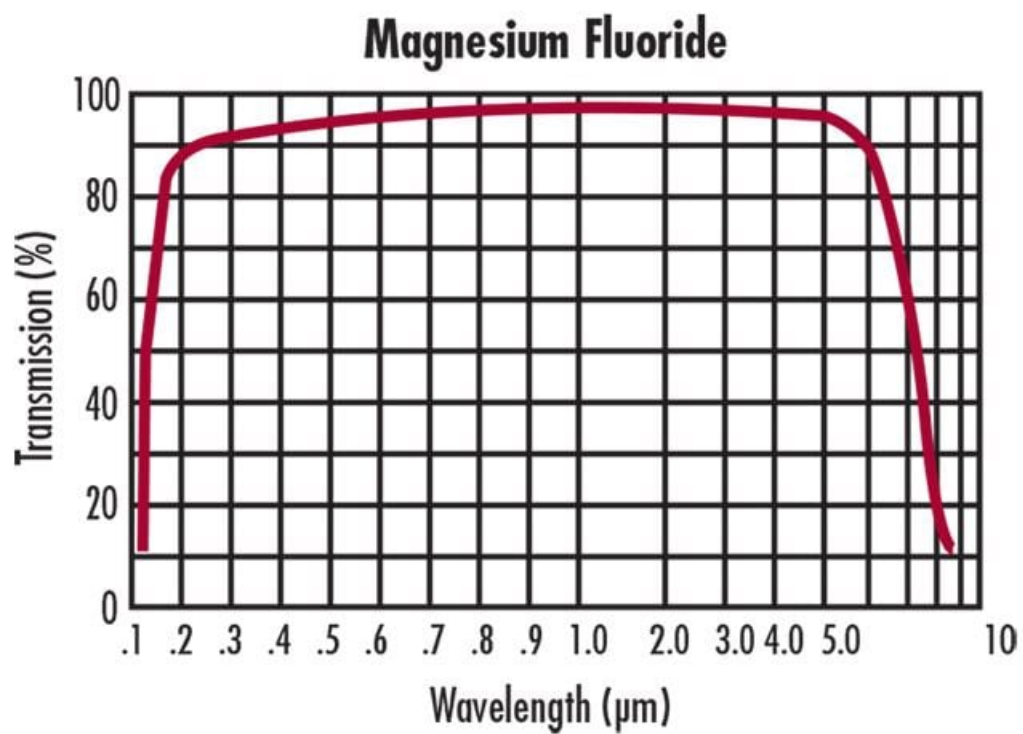


- Excellent Transmission from 120nm to 7μm
- Rugged and Durable
- Resistant to Chemical Etching

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Clear Aperture (%):	90
Edges:	Fine Ground	Knoop Hardness (kg/mm ²):	415
Poisson's Ratio:	0.271	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	€126,00 Qty 11+ €111,00	3-4 days
10.00	1.50	Uncoated	#87-703	€158,00 Qty 11+ €139,00	3-4 days
12.50	2.00	Uncoated	#64-093	€213,00 Qty 11+ €188,00	3-4 days
12.70	2.00	Uncoated	#17-281	€213,00 Qty 11+ €188,00	3-4 days
20.00	2.00	Uncoated	#87-704	€287,00 Qty 11+ €253,00	3-4 days
25.00	3.00	Uncoated	#64-094	€318,00 Qty 11+ €281,00	3-4 days
25.40	3.00	Uncoated	#17-282	€318,00 Qty 11+ €281,00	3-4 days
30.00	3.00	Uncoated	#19-921	€389,00 Qty 11+ €343,00	In Stock
40.00	3.00	Uncoated	#19-922	€555,00 Qty 11+ €491,00	3-4 days
50.00	3.00	Uncoated	#64-095	€735,00 Qty 11+ €647,00	3-4 days
50.80	3.00	Uncoated	#17-283	€735,00 Qty 11+ €647,00	3-4 days
75.00	5.00	Uncoated	#19-924	€2.050,00 Qty 11+ €1.808,00	3-4 days



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