

[All Products](#) / [Optics](#) / [Windows and Diffusers](#) / [Visible Windows](#)

TECHSPEC® Magnesium Fluoride (MgF₂) Windows

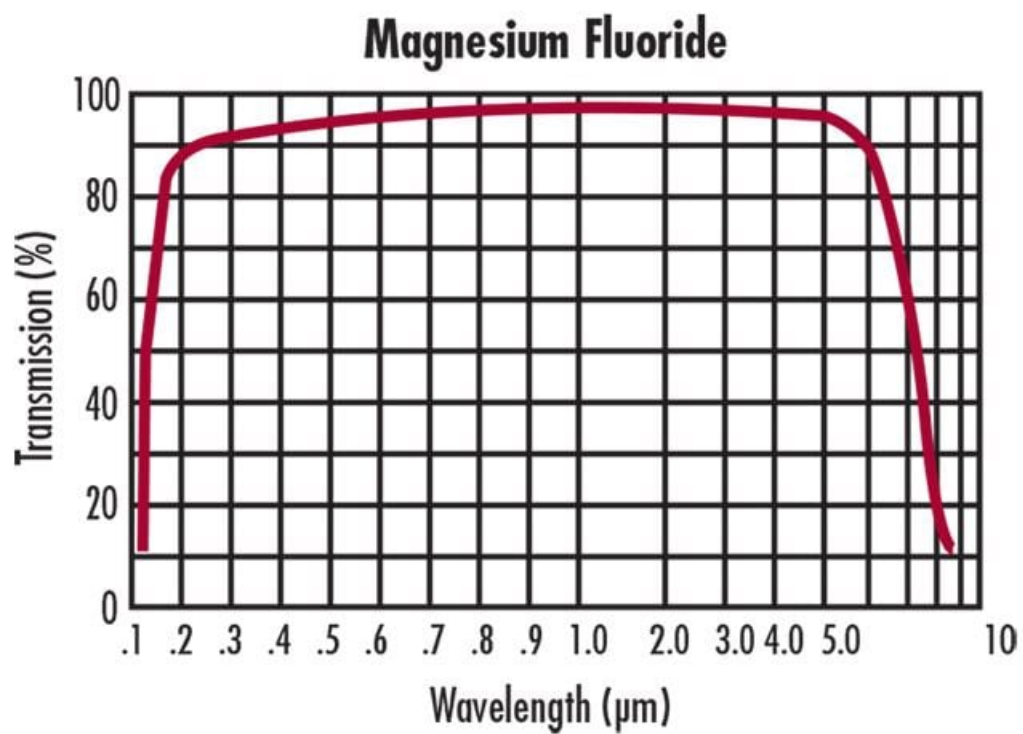


- Excellent Transmission from 120nm to 7μm
- Rugged and Durable
- Resistant to Chemical Etching

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	C\$186.98 Volume Pricing	2 In Stock
10.00	1.50	Uncoated	#87-703	C\$234.47 Volume Pricing	5 In Stock
12.50	2.00	Uncoated	#64-093	C\$316.09 Volume Pricing	Contact Us
12.70	2.00	Uncoated	#17-281	C\$316.09 Volume Pricing	9 In Stock
20.00	2.00	Uncoated	#87-704	C\$425.91 Volume Pricing	5 In Stock
25.00	3.00	Uncoated	#64-094	C\$471.91 Volume Pricing	20+ In Stock
25.40	3.00	Uncoated	#17-282	C\$471.91 Volume Pricing	5 In Stock
30.00	3.00	Uncoated	#19-921	C\$577.28 Volume Pricing	14 In Stock
40.00	3.00	Uncoated	#19-922	C\$823.62 Volume Pricing	5 In Stock
50.00	3.00	Uncoated	#64-095	C\$1,090.74 Volume Pricing	6 In Stock
50.80	3.00	Uncoated	#17-283	C\$1,090.74 Volume Pricing	Contact Us
75.00	5.00	Uncoated	#19-924	C\$3,042.20 Volume Pricing	4 In Stock



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