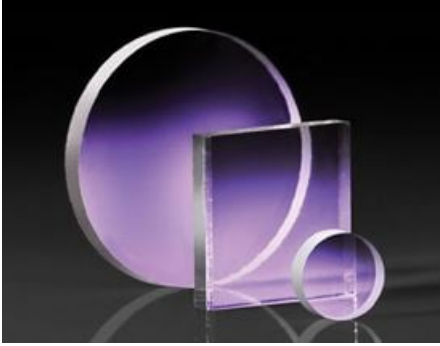


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TECHSPEC® BOROFLOAT® Borosilicate Windows See More by [SCHOTT](#)
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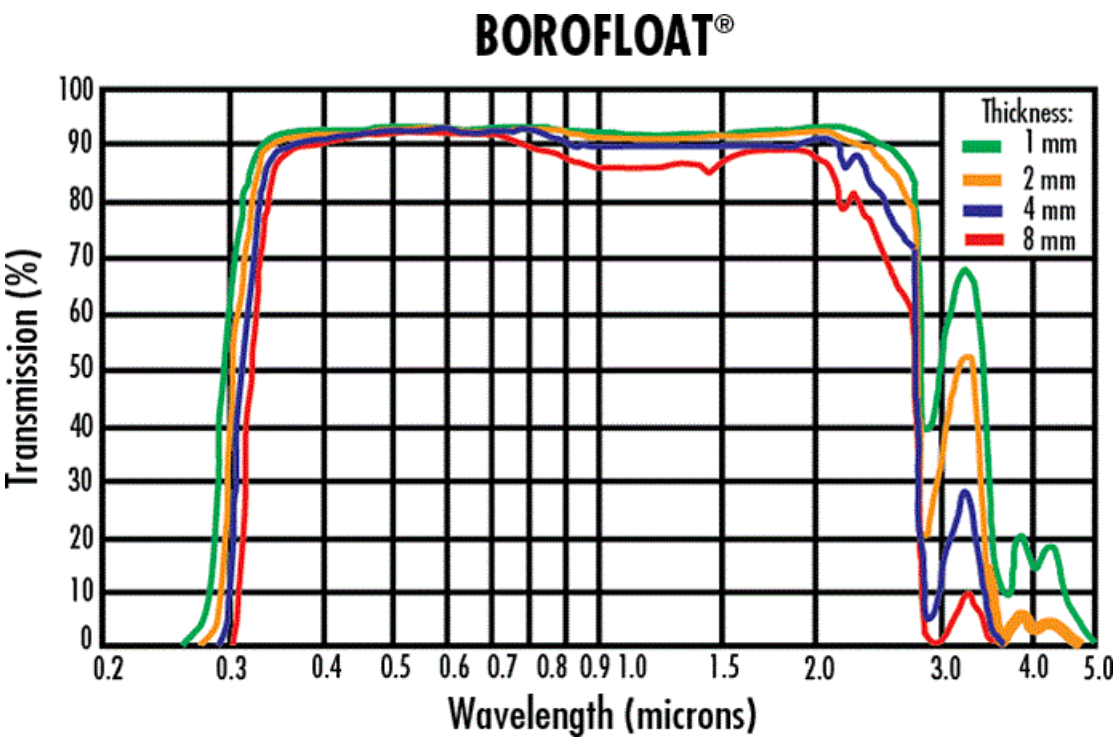


- Low Coefficient of Thermal Expansion
- Visible to Near Infrared Transmission
- High Resistance to Thermal Shock

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Clear Aperture (%):	≥90
Knoop Hardness (kg/mm ²):	480.00	Poisson's Ratio:	0.20
Young's Modulus (GPa):	64		
Optical Properties			
Abbe Number (v _d):	65.41		
Index of Refraction (n _d):	1.472	Substrate:	BOROFLOAT®
Surface Flatness (P-V):	4 - 6λ	Surface Quality:	80-50
Material Properties			
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):	3.25 (+20 to +300°C)	Density (g/cm ³):	2.23
Transformation Temperature (°C):	525		

Technical Information



Products

Dia. (mm)	Dimensions (mm)	Thickness (mm)	Coating	Stock Number	Price	Buy
5.00	-	1.10	Uncoated	#29-384	C\$34.13 Volume Pricing	20+ In Stock
5.00	-	1.10	MgF ₂ (400-700nm)	#29-396	C\$42.67 Volume Pricing	20+ In Stock
5.00	-	1.75	Uncoated	#43-888	C\$34.13 Volume Pricing	20+ In Stock
5.00	-	1.75	MgF ₂ (400-700nm)	#83-369	C\$42.67 Volume Pricing	9 In Stock
5.00	-	1.75	NIR (700-1150nm)	#12-184	C\$52.31 Volume Pricing	14 In Stock
10.00	-	1.10	Uncoated	#39-271	C\$34.13 Volume Pricing	20+ In Stock
10.00	-	1.10	MgF ₂ (400-700nm)	#29-397	C\$42.67 Volume Pricing	12 In Stock
10.00	-	1.75	Uncoated	#43-889	C\$34.13 Volume Pricing	20+ In Stock
10.00	-	1.75	MgF ₂ (400-700nm)	#83-370	C\$42.67 Volume Pricing	20+ In Stock
10.00	-	1.75	NIR (700-1150nm)	#12-185	C\$52.31 Volume Pricing	20+ In Stock
-	10.00 x 10.00	1.10	Uncoated	#29-385	C\$34.13 Volume Pricing	14 In Stock
-	10.00 x 10.00	1.10	MgF ₂ (400-700nm)	#29-398	C\$42.67 Volume Pricing	20+ In Stock
-	10.00 x 10.00	1.75	Uncoated	#48-541	C\$34.13 Volume Pricing	6 In Stock
-	10.00 x 10.00	1.75	MgF ₂ (400-700nm)	#83-371	C\$42.67 Volume Pricing	2 In Stock
-	10.00 x 10.00	1.75	NIR (700-1150nm)	#12-186	C\$52.31 Volume Pricing	20+ In Stock
12.50	-	1.10	Uncoated	#39-272	C\$34.13 Volume Pricing	20+ In Stock

12.50	-	1.10	MgF ₂ (400-700nm)	#29-399	C\$42.67 Volume Pricing	15 In Stock
12.50	-	1.75	Uncoated	#43-890	C\$34.13 Volume Pricing	20+ In Stock
12.50	-	1.75	MgF ₂ (400-700nm)	#83-372	C\$42.67 Volume Pricing	10 In Stock
12.50	-	1.75	NIR (700-1150nm)	#12-187	C\$52.31 Volume Pricing	20+ In Stock
15.00	-	1.10	Uncoated	#29-386	C\$34.13 Volume Pricing	Contact Us
15.00	-	1.10	MgF ₂ (400-700nm)	#29-400	C\$42.67 Volume Pricing	3 In Stock
15.00	-	1.75	Uncoated	#43-891	C\$34.13 Volume Pricing	20+ In Stock
15.00	-	1.75	MgF ₂ (400-700nm)	#83-373	C\$42.67 Volume Pricing	20+ In Stock
15.00	-	1.75	NIR (700-1150nm)	#12-188	C\$52.31 Volume Pricing	2 In Stock
20.00	-	1.10	Uncoated	#29-387	C\$37.84 Volume Pricing	4 In Stock
20.00	-	1.10	MgF ₂ (400-700nm)	#29-401	C\$46.75 Volume Pricing	13 In Stock
20.00	-	3.30	Uncoated	#45-461	C\$37.84 Volume Pricing	20+ In Stock
20.00	-	3.30	MgF ₂ (400-700nm)	#83-374	C\$46.75 Volume Pricing	20+ In Stock
20.00	-	3.30	NIR (700-1150nm)	#12-189	C\$64.18 Volume Pricing	8 In Stock
25.00	-	1.10	Uncoated	#39-273	C\$37.84 Volume Pricing	20+ In Stock
25.00	-	1.10	MgF ₂ (400-700nm)	#29-402	C\$46.75 Volume Pricing	5 In Stock
25.00	-	3.30	Uncoated	#43-892	C\$37.84 Volume Pricing	20+ In Stock
25.00	-	3.30	MgF ₂ (400-700nm)	#83-375	C\$46.75 Volume Pricing	20+ In Stock
25.00	-	3.30	NIR (700-1150nm)	#12-190	C\$64.18 Volume Pricing	6 In Stock

-	25.00 x 25.00	1.10	Uncoated	#29-388	C\$37.84 Volume Pricing	10 In Stock
-	25.00 x 25.00	1.10	MgF ₂ (400-700nm)	#29-403	C\$46.75 Volume Pricing	15 In Stock
-	25.00 x 25.00	3.30	Uncoated	#48-542	C\$37.84 Volume Pricing	20+ In Stock
-	25.00 x 25.00	3.30	MgF ₂ (400-700nm)	#83-376	C\$46.75 Volume Pricing	11 In Stock
-	25.00 x 25.00	3.30	NIR (700-1150nm)	#12-191	C\$64.18 Volume Pricing	7 In Stock
30.00	-	1.10	Uncoated	#29-389	C\$46.38 Volume Pricing	20+ In Stock
30.00	-	1.10	MgF ₂ (400-700nm)	#29-404	C\$64.18 Volume Pricing	20+ In Stock
30.00	-	3.30	Uncoated	#45-462	C\$46.38 Volume Pricing	20+ In Stock
30.00	-	3.30	MgF ₂ (400-700nm)	#83-377	C\$64.18 Volume Pricing	20+ In Stock
30.00	-	3.30	NIR (700-1150nm)	#12-192	C\$80.14 Volume Pricing	4 In Stock
40.00	-	1.10	MgF ₂ (400-700nm)	#29-405	C\$64.18 Volume Pricing	12 In Stock
40.00	-	3.30	MgF ₂ (400-700nm)	#29-406	C\$64.18 Volume Pricing	14 In Stock
40.00	-	1.10	Uncoated	#29-390	C\$46.38 Volume Pricing	14 In Stock
40.00	-	3.30	Uncoated	#29-391	C\$46.38 Volume Pricing	20+ In Stock
50.00	-	1.10	Uncoated	#39-274	C\$46.38 Volume Pricing	20+ In Stock
50.00	-	1.10	MgF ₂ (400-700nm)	#29-407	C\$64.18 Volume Pricing	10 In Stock
50.00	-	3.30	Uncoated	#43-893	C\$46.38 Volume Pricing	20+ In Stock
50.00	-	3.30	MgF ₂ (400-700nm)	#83-378	C\$64.18 Volume Pricing	Contact Us
50.00	-	3.30	NIR (700-1150nm)	#12-193	C\$80.14 Volume Pricing	20+ In Stock

-	50.00 x 50.00	1.10	Uncoated	#29-392	C\$46.38 Volume Pricing	20+ In Stock
-	50.00 x 50.00	1.10	MgF ₂ (400-700nm)	#29-408	C\$64.18 Volume Pricing	14 In Stock
-	50.00 x 50.00	3.30	Uncoated	#48-543	C\$46.38 Volume Pricing	20+ In Stock
-	50.00 x 50.00	3.30	MgF ₂ (400-700nm)	#83-912	C\$64.18 Volume Pricing	7 In Stock
-	50.00 x 50.00	3.30	NIR (700-1150nm)	#12-194	C\$80.14 Volume Pricing	20+ In Stock
60.00	-	3.30	Uncoated	#29-393	C\$49.34 Volume Pricing	1 In Stock
75.00	-	3.30	Uncoated	#29-394	C\$50.83 Volume Pricing	20+ In Stock
75.00	-	6.50	Uncoated	#43-894	C\$50.83 Volume Pricing	20+ In Stock
-	75.00 x 75.00	6.50	NIR (700-1150nm)	#12-195	C\$118.72 Volume Pricing	16 In Stock
100.00	-	3.30	Uncoated	#29-395	C\$64.18 Volume Pricing	12 In Stock
100.00	-	6.50	Uncoated	#43-895	C\$64.18 Volume Pricing	20+ In Stock
-	100.00 x 100.00	6.50	NIR (700-1150nm)	#12-196	C\$179.56 Volume Pricing	10 In Stock
125.00	-	6.50	Uncoated	#45-685	C\$79.39 Volume Pricing	20+ In Stock
150.00	-	6.50	Uncoated	#43-896	C\$88.30 Volume Pricing	9 In Stock
200.00	-	6.50	Uncoated	#45-686	C\$126.88 Volume Pricing	20+ In Stock



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Phone: 1-800-363-1992 :

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