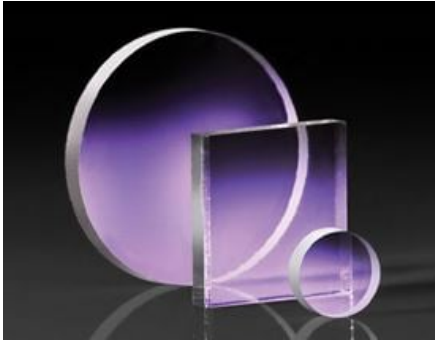


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TECHSPEC® BOROFLOAT® Borosilicate Windows See More by [SCHOTT Optical Components](#)

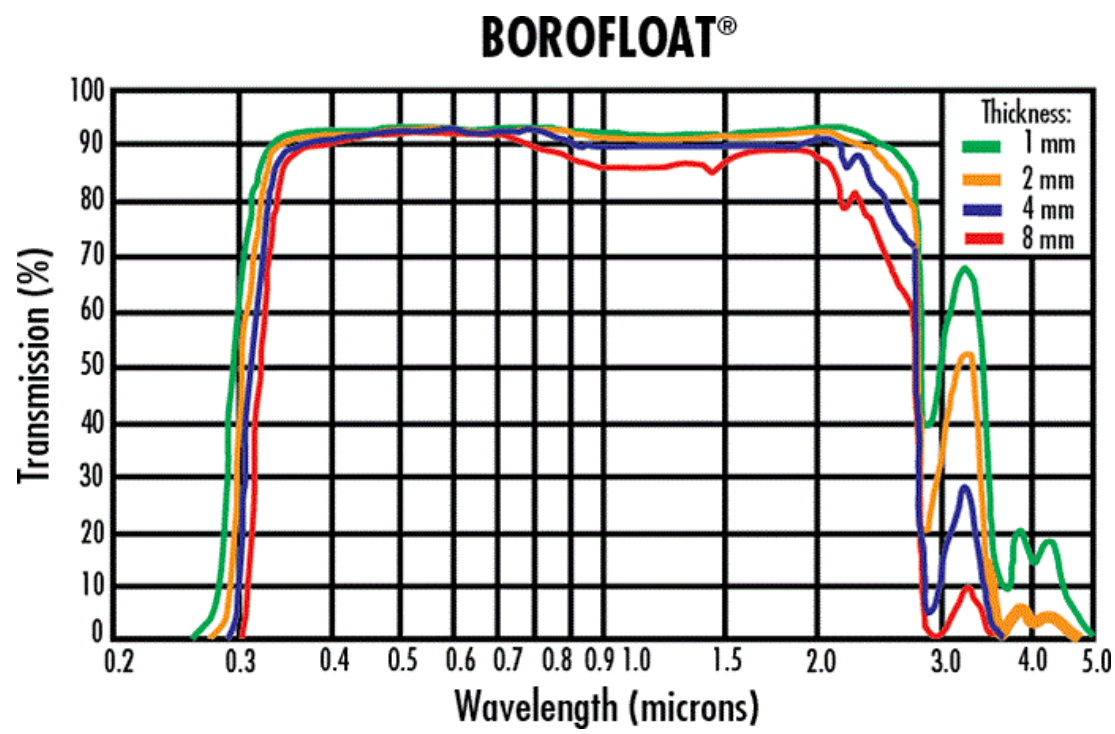


- Low Coefficient of Thermal Expansion
- Visible to Near Infrared Transmission
- High Resistance to Thermal Shock

Common Specifications

Physical & Mechanical Properties			
Bevel:	Protective as needed	Clear Aperture (%):	≥90
Knoop Hardness (kg/mm ²):	480	Poisson's Ratio:	0.2
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	₹1,687 Qty 6+ ₹1,339	10 to 12 days
#29-396 New						
 New Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!						
5.00	-	1.10	MgF ₂ (400-700nm)		₹2,109 Qty 6+ ₹1,705	10 to 12 days
5.00	-	1.75	Uncoated	#43-888	₹1,687 Qty 6+ ₹1,339	10 to 12 days
5.00	-	1.75	MgF ₂ (400-700nm)	#83-369	₹2,109 Qty 6+ ₹1,705	10 to 12 days
5.00	-	1.75	NIR (700-1150nm)	#12-184	₹2,586 Qty 6+ ₹2,072	10 to 12 days
10.00	-	1.10	Uncoated	#39-271	₹1,687 Qty 6+ ₹1,339	10 to 12 days
10.00	-	1.10	MgF ₂ (400-700nm)	#29-397	₹2,109 Qty 6+ ₹1,705	10 to 12 days
10.00	-	1.75	Uncoated	#43-889	₹1,687 Qty 6+ ₹1,339	10 to 12 days
10.00	-	1.75	MgF ₂ (400-700nm)	#83-370	₹2,109 Qty 6+ ₹1,705	10 to 12 days

10.00	-	1.75	NIR (700-1150nm)	#12-185	₹2,586 Qty 6+ ₹2,072	10 to 12 days
-	10.00 x 10.00	1.10	Uncoated	#29-385	₹1,687 Qty 6+ ₹1,339	10 to 12 days
-	10.00 x 10.00	1.10	MgF ₂ (400-700nm)	#29-398	₹2,109 Qty 6+ ₹1,705	10 to 12 days
-	10.00 x 10.00	1.75	Uncoated	#48-541	₹1,687 Qty 6+ ₹1,339	10 to 12 days
-	10.00 x 10.00	1.75	MgF ₂ (400-700nm)	#83-371	₹2,109 Qty 6+ ₹1,705	10 to 12 days
-	10.00 x 10.00	1.75	NIR (700-1150nm)	#12-186	₹2,586 Qty 6+ ₹2,072	10 to 12 days
12.50	-	1.10	Uncoated	#39-272	₹1,687 Qty 6+ ₹1,339	10 to 12 days
12.50	-	1.10	MgF ₂ (400-700nm)	#29-399	₹2,109 Qty 6+ ₹1,705	10 to 12 days
12.50	-	1.75	Uncoated	#43-890	₹1,687 Qty 6+ ₹1,339	10 to 12 days
12.50	-	1.75	MgF ₂ (400-700nm)	#83-372	₹2,109 Qty 6+ ₹1,705	Contact Us
12.50	-	1.75	NIR (700-1150nm)	#12-187	₹2,586 Qty 6+ ₹2,072	10 to 12 days
15.00	-	1.10	Uncoated	#29-386	₹1,687 Qty 6+ ₹1,339	10 to 12 days
15.00	-	1.10	MgF ₂ (400-700nm)	#29-400	₹2,109 Qty 6+ ₹1,705	10 to 12 days
15.00	-	1.75	Uncoated	#43-891	₹1,687 Qty 6+ ₹1,339	10 to 12 days
15.00	-	1.75	MgF ₂ (400-700nm)	#83-373	₹2,109 Qty 6+ ₹1,705	Contact Us
15.00	-	1.75	NIR (700-1150nm)	#12-188	₹2,586 Qty 6+ ₹2,072	10 to 12 days
20.00	-	1.10	Uncoated	#29-387	₹1,870 Qty 6+ ₹1,485	10 to 12 days

20.00	-	1.10	MgF ₂ (400-700nm)	#29-401	₹2,311 Qty 6+ ₹1,852	10 to 12 days
20.00	-	3.30	Uncoated	#45-461	₹1,870 Qty 6+ ₹1,485	10 to 12 days
20.00	-	3.30	MgF ₂ (400-700nm)	#83-374	₹2,311 Qty 6+ ₹1,852	10 to 12 days
20.00	-	3.30	NIR (700-1150nm)	#12-189	₹3,172 Qty 6+ ₹2,531	10 to 12 days
25.00	-	1.10	Uncoated	#39-273	₹1,870 Qty 6+ ₹1,485	10 to 12 days
25.00	-	1.10	MgF ₂ (400-700nm)	#29-402	₹2,311 Qty 6+ ₹1,852	10 to 12 days
25.00	-	3.30	Uncoated	#43-892	₹1,870 Qty 6+ ₹1,485	10 to 12 days
25.00	-	3.30	MgF ₂ (400-700nm)	#83-375	₹2,311 Qty 6+ ₹1,852	10 to 12 days
25.00	-	3.30	NIR (700-1150nm)	#12-190	₹3,172 Qty 6+ ₹2,531	10 to 12 days
-	25.00 x 25.00	1.10	Uncoated	#29-388	₹1,870 Qty 6+ ₹1,485	10 to 12 days
-	25.00 x 25.00	1.10	MgF ₂ (400-700nm)	#29-403	₹2,311 Qty 6+ ₹1,852	10 to 12 days
-	25.00 x 25.00	3.30	Uncoated	#48-542	₹1,870 Qty 6+ ₹1,485	10 to 12 days
-	25.00 x 25.00	3.30	MgF ₂ (400-700nm)	#83-376	₹2,311 Qty 6+ ₹1,852	10 to 12 days
-	25.00 x 25.00	3.30	NIR (700-1150nm)	#12-191	₹3,172 Qty 6+ ₹2,531	10 to 12 days
30.00	-	1.10	Uncoated	#29-389	₹2,292 Qty 6+ ₹1,834	10 to 12 days
30.00	-	1.10	MgF ₂ (400-700nm)	#29-404	₹3,172 Qty 6+ ₹2,531	10 to 12 days

30.00	-	3.30	Uncoated	#45-462	₹2,292 Qty 6+ ₹1,834	10 to 12 days
30.00	-	3.30	MgF ₂ (400-700nm)	#83-377	₹3,172 Qty 6+ ₹2,531	10 to 12 days
30.00	-	3.30	NIR (700-1150nm)	#12-192	₹3,961 Qty 6+ ₹3,154	10 to 12 days
40.00	-	1.10	MgF ₂ (400-700nm)	#29-405	₹3,172 Qty 6+ ₹2,531	10 to 12 days
40.00	-	3.30	MgF ₂ (400-700nm)	#29-406	₹3,172 Qty 6+ ₹2,531	10 to 12 days
40.00	-	1.10	Uncoated	#29-390	₹2,292 Qty 6+ ₹1,834	10 to 12 days
40.00	-	3.30	Uncoated	#29-391	₹2,292 Qty 6+ ₹1,834	10 to 12 days
50.00	-	1.10	Uncoated	#39-274	₹2,292 Qty 6+ ₹1,834	10 to 12 days
50.00	-	1.10	MgF ₂ (400-700nm)	#29-407	₹3,172 Qty 6+ ₹2,531	10 to 12 days
50.00	-	3.30	Uncoated	#43-893	₹2,292 Qty 6+ ₹1,834	10 to 12 days
50.00	-	3.30	MgF ₂ (400-700nm)	#83-378	₹3,172 Qty 6+ ₹2,531	10 to 12 days
50.00	-	3.30	NIR (700-1150nm)	#12-193	₹3,961 Qty 6+ ₹3,154	10 to 12 days
-	50.00 x 50.00	1.10	Uncoated	#29-392	₹2,292 Qty 6+ ₹1,834	10 to 12 days
-	50.00 x 50.00	1.10	MgF ₂ (400-700nm)	#29-408	₹3,172 Qty 6+ ₹2,531	10 to 12 days
-	50.00 x 50.00	3.30	Uncoated	#48-543	₹2,292 Qty 6+ ₹1,834	10 to 12 days
-	50.00 x 50.00	3.30	MgF ₂ (400-700nm)	#83-912	₹3,172 Qty 6+ ₹2,531	10 to 12 days

-	50.00 x 50.00	3.30	NIR (700-1150nm)	#12-194	₹3,961 Qty 6+ ₹3,154	10 to 12 days
60.00	-	3.30	Uncoated	#29-393	₹2,439 Qty 6+ ₹1,944	7 days
75.00	-	3.30	Uncoated	#29-394	₹2,512 Qty 6+ ₹2,017	10 to 12 days
75.00	-	6.50	Uncoated	#43-894	₹2,512 Qty 6+ ₹2,017	10 to 12 days
-	75.00 x 75.00	6.50	NIR (700-1150nm)	#12-195	₹5,868 Qty 6+ ₹4,694	10 to 12 days
100.00	-	3.30	Uncoated	#29-395	₹3,172 Qty 6+ ₹2,531	10 to 12 days
100.00	-	6.50	Uncoated	#43-895	₹3,172 Qty 6+ ₹2,531	10 to 12 days
-	100.00 x 100.00	6.50	NIR (700-1150nm)	#12-196	₹8,875 Qty 6+ ₹7,115	10 to 12 days
125.00	-	6.50	Uncoated	#45-685	₹3,924 Qty 6+ ₹3,154	10 to 12 days
150.00	-	6.50	Uncoated	#43-896	₹4,364 Qty 6+ ₹3,484	10 to 12 days
200.00	-	6.50	Uncoated	#45-686	₹6,271 Qty 6+ ₹4,988	10 to 12 days



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