

FACEPLATE

BLOCK MATERIAL SPECIFICATIONS

Contact us regarding how we can customize our material to meet your specific needs

	BBL80	BFC89	BFE89	BJD104	BKT388	BLI58
Index of Refraction of Core	1.72	1.63	1.63	1.58	1.52	1.80
Theoretical Core Percentage	74%	75%	75%	85%	80%	70%
EMA Type and Layout	Enhanced Statistical - 2.5%	None	Enhanced Statistical - 1.6%	Enhanced Statistical - 1.6%	Enhanced Statistical - 4.9%	Std. Interstitial
CTE (Coefficient of Thermal Expansion) (x 10 ⁻⁷ /C)	80	89	89	104	88	58
Numerical Aperture (N.A.)	.85	0.66	0.66	0.45	0.35	1.00
Density (g/cm ³)	3.9	3.3	3.3	3.1	2.5	4.0
Shear Distortion*	<.002"	<.004"	<.004"	<.002"	<.002"	<.002"
Gross Distortion*	<.004"	<.004"	<.004"	<.004"	<.004"	<.004"
Lead Free Core	No	No	No	No	Yes	No
Fiber Size (microns)	34, 50	6-8	6-8	25	6	4, 6
X-ray Absorption	High	Minimal	Minimal	Minimal	Minimal	High
Low Browning	No	No	No	No	No	No

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	BLC59	BXE87	BXE387	BXI87	BYD61	BYD62
Index of Refraction of Core	1.80	1.87	1.87	1.87	1.80	1.80
Theoretical Core Percentage	75%	80%	80%	80%	85%	90%
EMA Type and Layout	None	Enhanced Statistical - 1.6%	Enhanced Statistical - 4.9%	Std. Interstitial	Enhanced Statistical - 1.6%	Enhanced Statistical - 1.6%
CTE (Coefficient of Thermal Expansion) (x 10 ⁻⁷ /C)	59	87	87	87	61	62
Numerical Aperture (N.A.)	1.00	1.00	1.00	1.00	1.00	1.00
Density (g/cm ³)	4.1	4.1	4.1	4.1	4.3	4.5
Shear Distortion*	<.002"	<.002"	<.002"	<.002"	<.002"	<.002"
Gross Distortion*	<.004"	<.004"	<.004"	<.004"	<.004"	<.004"
Lead Free Core	No	Yes	Yes	Yes	No	No
Fiber Size (microns)	6	6	6	3, 6	6	9
X-ray Absorption	High	High	High	High	High	High
Low Browning	No	No	No	No	Yes	Yes

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	B7D61	B7D62	B7D359
Index of Refraction of Core	1.80	1.80	1.80
Theoretical Core Percentage	85%	90%	75%
EMA Type and Layout	Enhanced Statistical - 1.6%	Enhanced Statistical - 1.6%	Enhanced Statistical - 4.9%
CTE (Coefficient of Thermal Expansion) (x 10 ⁻⁷ /C)	61	62	59
Numerical Aperture (N.A.)	1.00	1.00	1.00
Density (g/cm ³)	4.3	4.5	4.1
Shear Distortion*	<.002"	<.002"	<.002"
Gross Distortion*	<.004"	<.004"	<.004"
Lead Free Core	No	No	No
Fiber Size (microns)	6	9	6
X-ray Absorption	High	High	High
Low Browning	No	No	No