

CXB700

Standard Thickness  
t= 0.205

	:						

λ (nm)	n	T (%)		A	K (×10 <sup>-4</sup> )
		0.205	0.205		
2500	1.51168				
2400	1.51307				
2300	1.51441				
2200	1.51570				
2100	1.51695				
2000	1.51816				
1900	1.51934				
1800	1.52048				
1700	1.52159				
1600	1.52268				
1550	1.52322				
1500	1.52376				
1450	1.52430				
1400	1.52484				
1350	1.52538				
1300	1.52593				
1250	1.52649				
1200	1.52707	20.95	22.90	3.12	6.87
1180	1.52730	19.10	20.88	3.32	7.17
1160	1.52754	17.14	18.74	3.55	7.54
1140	1.52778	15.29	16.72	3.79	7.92
1120	1.52803	13.60	14.86	4.04	8.29
1100	1.52828	12.04	13.17	4.29	8.66
1080	1.52854	10.63	11.62	4.56	9.02
1060	1.52880	9.32	10.19	4.84	9.40
1040	1.52907	8.13	8.89	5.13	9.77
1020	1.52934	7.07	7.73	5.42	10.14
1000	1.52963	6.12	6.70	5.73	10.49
990	1.52977	5.69	6.23	5.88	10.67
980	1.52992	5.30	5.79	6.03	10.84
970	1.53007	4.93	5.39	6.19	11.00
960	1.53022	4.59	5.02	6.34	11.15
950	1.53037	4.29	4.69	6.48	11.28
940	1.53053	4.01	4.39	6.62	11.41
930	1.53069	3.76	4.11	6.76	11.52
920	1.53085	3.53	3.86	6.89	11.62
910	1.53102	3.32	3.64	7.02	11.71
900	1.53118	3.15	3.45	7.13	11.76
890	1.53136	3.02	3.30	7.23	11.79
880	1.53153	2.90	3.18	7.31	11.78
870	1.53171	2.82	3.08	7.37	11.75
860	1.53190	2.78	3.04	7.40	11.66
850	1.53209	2.79	3.06	7.39	11.51
840	1.53228	2.84	3.11	7.35	11.31
830	1.53248	2.93	3.21	7.29	11.08
820	1.53268	3.05	3.34	7.20	10.82
810	1.53289	3.24	3.54	7.08	10.50
800	1.53310	3.50	3.83	6.91	10.13
790	1.53332	3.87	4.24	6.70	9.70
780	1.53355	4.30	4.71	6.48	9.25
770	1.53378	4.83	5.29	6.23	8.79
760	1.53402	5.51	6.04	5.95	8.28
750	1.53426	6.25	6.84	5.68	7.81
740	1.53452	7.25	7.94	5.37	7.28
730	1.53478	8.54	9.35	5.02	6.72
720	1.53505	10.29	11.27	4.63	6.10
710	1.53533	12.45	13.64	4.22	5.49
700	1.53563	15.10	16.54	3.81	4.89

λ (nm)	n	T (%)		A	K (×10 <sup>-4</sup> )
		0.205	0.205		
690	1.53593	18.27	20.02	3.41	4.31
680	1.53624	22.13	24.25	3.00	3.74
670	1.53656	26.69	29.25	2.60	3.20
660	1.53690	31.20	34.18	2.27	2.75
650	1.53725	37.03	40.57	1.91	2.28
640	1.53762	42.93	47.04	1.60	1.87
630	1.53800	49.15	53.85	1.31	1.51
620	1.53840	55.44	60.75	1.06	1.20
610	1.53881	61.45	67.32	0.84	0.94
600	1.53925	67.15	73.56	0.65	0.72
590	1.53970	72.38	79.29	0.49	0.53
580	1.54018	76.90	84.23	0.36	0.39
570	1.54068	80.72	88.42	0.26	0.27
560	1.54121	83.61	91.58	0.19	0.19
550	1.54177	85.93	94.14	0.13	0.13
540	1.54235	87.57	95.93	0.09	0.09
530	1.54297	88.70	97.19	0.06	0.06
520	1.54363	89.36	97.92	0.04	0.04
510	1.54432	89.79	98.41	0.03	0.03
500	1.54506	89.95	98.60	0.03	0.03
490	1.54584	90.01	98.69	0.03	0.03
480	1.54667	90.01	98.71	0.03	0.02
470	1.54756	89.91	98.62	0.03	0.03
460	1.54852	89.77	98.49	0.03	0.03
450	1.54954	89.57	98.31	0.04	0.03
440	1.55063	89.33	98.07	0.04	0.03
430	1.55181	89.14	97.89	0.05	0.04
420	1.55308	88.83	97.59	0.05	0.04
410	1.55445	88.47	97.23	0.06	0.04
400	1.55593	87.96	96.71	0.07	0.05
390	1.55754	87.26	95.99	0.09	0.06
380	1.55929	86.21	94.87	0.11	0.08
370	1.56119	83.85	92.33	0.17	0.11
360	1.56326	79.31	87.41	0.29	0.19
350	1.56551	70.28	77.54	0.54	0.35
340	1.56795	52.55	58.04	1.15	0.72
330	1.57060	27.25	30.14	2.54	1.54
320	1.57346	6.73	7.45	5.50	3.23
310	1.57652	0.39	0.43	11.54	6.55
300	1.57973				

Specific Gravity	
d	3.07

Chemical Properties	
D <sub>W</sub>	1
D <sub>A</sub>	5
T <sub>Blue</sub>	
D <sub>NaOH</sub>	
D <sub>STPP</sub>	
D <sub>O</sub>	
D <sub>H</sub>	

Thermal Properties	
T <sub>g</sub> (°C)	396
T <sub>s</sub> (°C)	437
T <sub>10<sup>14.5</sup></sub> (°C)	
T <sub>10<sup>13</sup></sub> (°C)	
T <sub>10<sup>7.6</sup></sub> (°C)	
α <sub>-30/+70°C</sub> (10 <sup>-7</sup> /°C)	124
α <sub>100/300°C</sub> (10 <sup>-7</sup> /°C)	152
λ [W/(m·K)]	
C <sub>p</sub> [kJ/(kg·K)]	

Mechanical Properties	
H <sub>K</sub>	365
F <sub>A</sub>	560
E (GPa)	71
G (GPa)	28
μ	0.27
σ <sub>b</sub> (MPa)	

Constants of dispersion formula		
A <sub>0</sub>	2.3339256	E 0
A <sub>1</sub>	-8.1645823	E -3
A <sub>2</sub>	1.4290828	E -2
A <sub>3</sub>	-3.7572728	E -4
A <sub>4</sub>	8.1172472	E -5
A <sub>5</sub>	-4.0274888	E -6

Refractive Index & ν <sub>d</sub>		
n <sub>C</sub>	656.273	1.53703
n <sub>d</sub>	587.562	1.53982
n <sub>F</sub>	486.133	1.54616
ν <sub>d</sub>		59.13

Chromaticity coordinates		
	T	τ
x	0.278	0.278
y	0.325	0.324

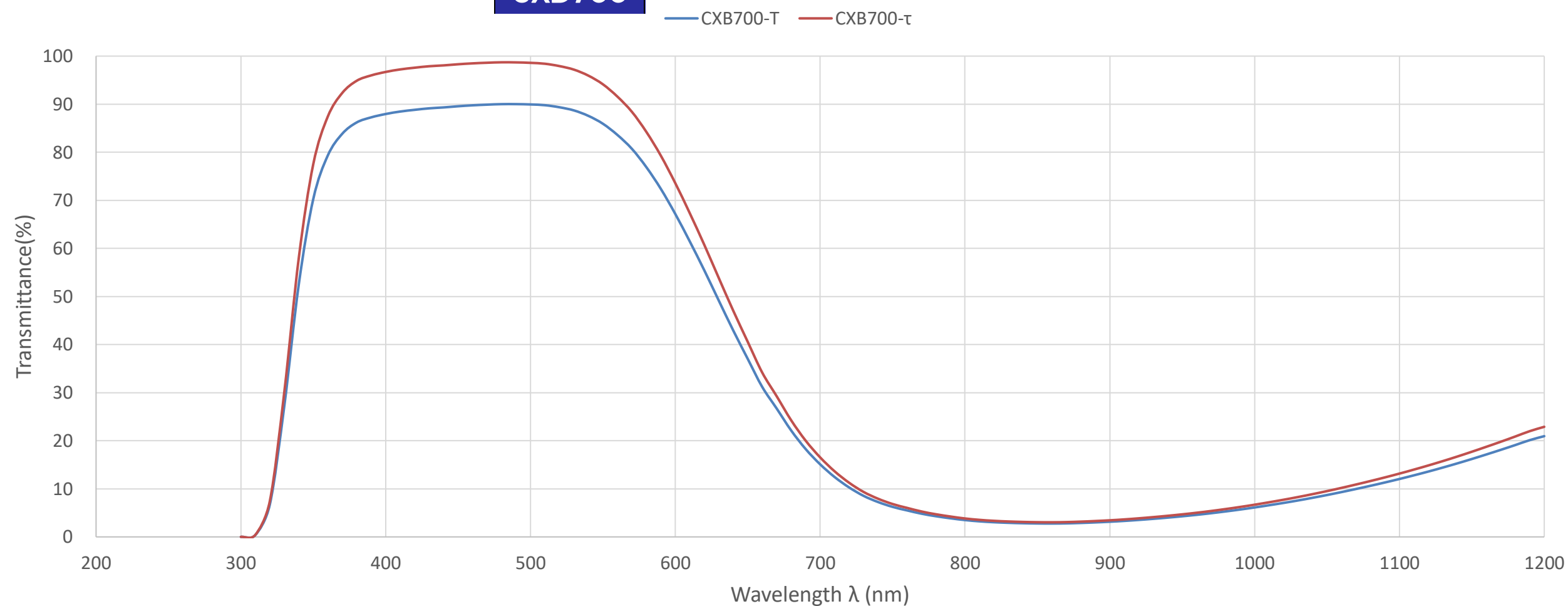
Transmittance ratio		
	T	τ
700nm/500nm	0.168	0.168
600nm/500nm	0.747	0.746
400nm/500nm	0.978	0.981

Remarks	
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Date:	2026. 4. 2

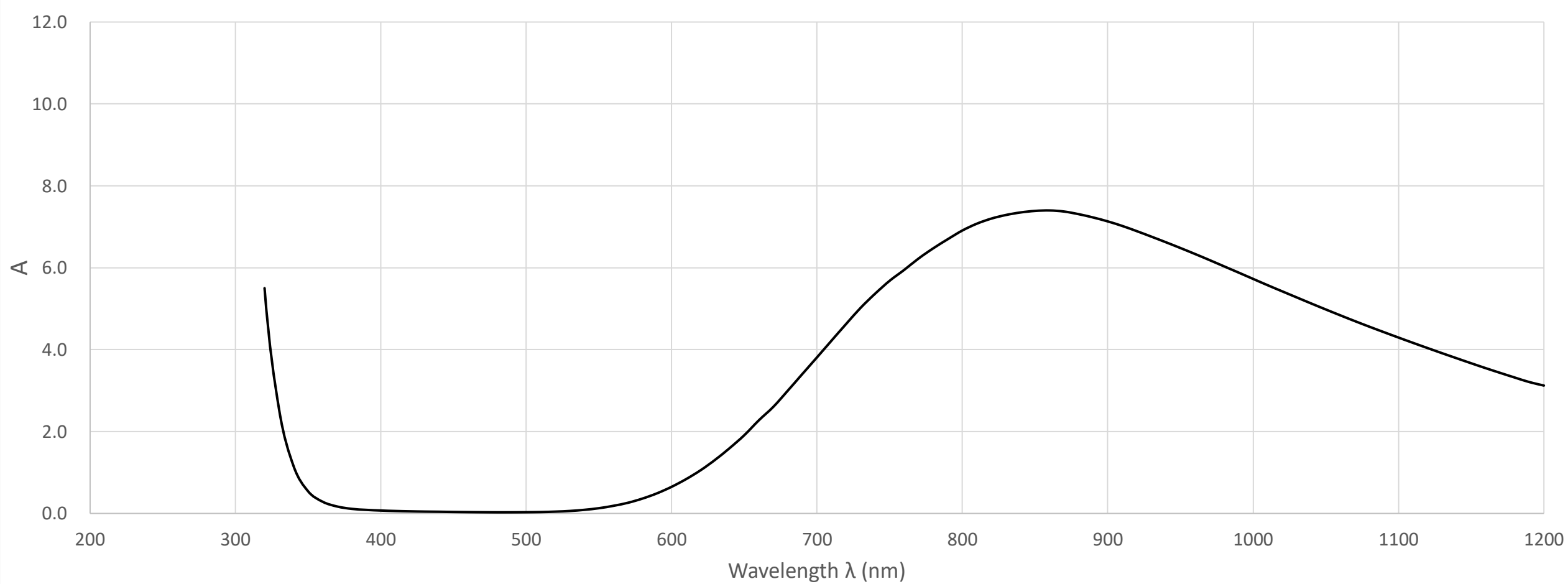
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Standard Thickness  
 t= 0.205

**CXB700** Transmittance Curve



**CXB700** A Curve



**CXB700** K Curve

