

## N-BK10 498670.239

$n_d = 1.49782$

$v_d = 66.95$

$n_F - n_C = 0.007435$

$n_e = 1.49960$

$v_e = 66.78$

$n_F - n_C = 0.007481$

### Refractive Indices

	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.47060
$n_{1970.1}$	1970.1	1.47647
$n_{1529.6}$	1529.6	1.48252
$n_{1060.0}$	1060.0	1.48827
$n_t$	1014.0	1.48887
$n_s$	852.1	1.49127
$n_r$	706.5	1.49419
$n_C$	656.3	1.49552
$n_{C'}$	643.8	1.49589
$n_{632.8}$	632.8	1.49623
$n_D$	589.3	1.49775
$n_d$	587.6	1.49782
$n_e$	546.1	1.49960
$n_F$	486.1	1.50296
$n_{F'}$	480.0	1.50337
$n_g$	435.8	1.50690
$n_h$	404.7	1.51014
$n_i$	365.0	1.51561
$n_{334.1}$	334.1	1.52144
$n_{312.6}$	312.6	1.52674
$n_{296.7}$	296.7	1.53151
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

### Constants of Dispersion Formula

$B_1$	0.888308131
$B_2$	0.328964475
$B_3$	0.984610769
$C_1$	0.005169008
$C_2$	0.0161190045
$C_3$	99.75753310

### Constants of Formula for $dn/dT$

$D_0$	3.32E-06
$D_1$	1.72E-08
$D_2$	-2.05E-11
$E_0$	3.57E-07
$E_1$	3.90E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.169

### Temperature Coefficients of the Refractive Index

[°C]	$\Delta n_{rel}/\Delta T$ [ $10^{-6}/K$ ]			$\Delta n_{abs}/\Delta T$ [ $10^{-6}/K$ ]		
	1060.0	e	g	1060.0	e	g
-40/-20	2.7	3.1	3.5	0.7	1.1	1.4
+20/+40	2.9	3.4	3.8	1.6	2.1	2.5
+60/+80	3.1	3.7	4.1	2.1	2.6	3.1

### Internal Transmittance $\tau_i$

$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.740	0.470
2325	0.870	0.710
1970	0.980	0.950
1530	0.992	0.980
1060	0.998	0.996
700	0.998	0.995
660	0.997	0.993
620	0.997	0.992
580	0.997	0.993
546	0.997	0.993
500	0.996	0.991
460	0.996	0.990
436	0.996	0.989
420	0.996	0.989
405	0.996	0.990
400	0.996	0.990
390	0.996	0.989
380	0.994	0.985
370	0.994	0.986
365	0.994	0.986
350	0.991	0.978
334	0.978	0.950
320	0.940	0.860
310	0.870	0.710
300	0.710	0.420
290	0.410	0.110
280	0.120	
270	0.010	
260		
250		

### Color Code

$\lambda_{80} / \lambda_5$  31/27

### Remarks

### Relative Partial Dispersion P

$P_{s,t}$	0.3224
$P_{C,s}$	0.5716
$P_{d,C}$	0.3093
$P_{e,d}$	0.2387
$P_{g,F}$	0.5303
$P_{i,h}$	0.7360

### Relative Partial Dispersion P'

$P'_{s,t}$	0.3204
$P'_{C,s}$	0.6174
$P'_{d,C'}$	0.2580
$P'_{e,d}$	0.2373
$P'_{g,F'}$	0.4716
$P'_{i,h}$	0.7315

### Deviation of Rel. Partial Disp.

$\Delta P$ from the normal line	
$\Delta P_{C,t}$	0.0314
$\Delta P_{C,s}$	0.0126
$\Delta P_{F,e}$	-0.0012
$\Delta P_{g,F}$	-0.0008
$\Delta P_{i,g}$	0.0091

### Chemical Properties

CR	1
FR	0
SR	1
AR	1
PR	1

### Other Properties

$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	5.8
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	6.6
$T_g$ [°C]	551
$T_{10}^{13}$ [°C]	
$T_{10}^{7.6}$ [°C]	753
$c_p$ [J/(g·K)]	0.810
$\lambda$ [W/(m·K)]	1.320
$\rho$ [g/cm <sup>3</sup> ]	2.39
$E$ [ $10^3$ N/mm <sup>2</sup> ]	71
$\mu$	0.203
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	3.21
$HK_{0.1/20}$	560
HG	4