

## N-LAK34 729545.402

$n_d = 1.72916$   
 $n_e = 1.73235$

$v_d = 54.50$   
 $v_e = 54.27$

$n_F - n_C = 0.013379$   
 $n_{F'} - n_{C'} = 0.013493$

### Refractive Indices

	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.68925
$n_{1970.1}$	1970.1	1.69695
$n_{1529.6}$	1529.6	1.70500
$n_{1060.0}$	1060.0	1.71315
$n_t$	1014.0	1.71407
$n_s$	852.1	1.71787
$n_r$	706.5	1.72277
$n_C$	656.3	1.72509
$n_{C'}$	643.8	1.72574
$n_{632.8}$	632.8	1.72634
$n_D$	589.3	1.72904
$n_d$	587.6	1.72916
$n_e$	546.1	1.73235
$n_F$	486.1	1.73847
$n_{F'}$	480.0	1.73923
$n_g$	435.8	1.74575
$n_h$	404.7	1.75180
$n_i$	365.0	1.76214
$n_{334.1}$	334.1	1.77331
$n_{312.6}$	312.6	1.78359
$n_{296.7}$	296.7	1.79296
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

### Constants of Dispersion Formula

$B_1$	1.266614420
$B_2$	0.665919318
$B_3$	1.124961200
$C_1$	0.005892781
$C_2$	0.0197509041
$C_3$	78.88941740

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

$D_0$	1.96E-06
$D_1$	9.65E-09
$D_2$	4.40E-12
$E_0$	4.91E-07
$E_1$	5.28E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.161

### 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	3.1	3.9	4.6	0.8	1.5	2.2
+20/+40	3.0	3.8	4.6	1.5	2.3	3.1
+60/+80	3.1	4.0	4.9	2.0	2.9	3.7

### Internal Transmittance $\tau_i$

$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.400	0.100
2325	0.670	0.370
1970	0.940	0.850
1530	0.984	0.960
1060	0.998	0.995
700	0.999	0.997
660	0.999	0.997
620	0.998	0.996
580	0.998	0.995
546	0.999	0.997
500	0.998	0.994
460	0.995	0.987
436	0.992	0.979
420	0.989	0.972
405	0.983	0.959
400	0.981	0.952
390	0.976	0.940
380	0.963	0.910
370	0.940	0.860
365	0.920	0.820
350	0.850	0.670
334	0.710	0.430
320	0.530	0.200
310	0.380	0.070
300	0.280	0.030
290	0.170	0.010
280	0.070	
270	0.010	
260		
250		

### Color Code

$\lambda_{80} / \lambda_5$  37/28

### Remarks

### Relative Partial Dispersion P

$P_{s,t}$	0.2841
$P_{C,s}$	0.5398
$P_{d,C}$	0.3042
$P_{e,d}$	0.2384
$P_{g,F}$	0.5443
$P_{i,h}$	0.7726

### Relative Partial Dispersion P'

$P'_{s,t}$	0.2817
$P'_{C,s}$	0.5833
$P'_{d,C'}$	0.2536
$P'_{e,d}$	0.2364
$P'_{g,F'}$	0.4832
$P'_{i,h}$	0.7661

### Deviation of Rel. Partial Disp.

#### $\Delta P$ from the normal line

$\Delta P_{C,t}$	0.0204
$\Delta P_{C,s}$	0.0099
$\Delta P_{F,e}$	-0.0024
$\Delta P_{g,F}$	-0.0079
$\Delta P_{i,g}$	-0.0423

### Chemical Properties

CR	1
FR	0
SR	52.3
AR	1
PR	2.3

### Other Properties

$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	5.8
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	6.9
$T_g$ [°C]	668
$T_{10}^{13}$ [°C]	668
$T_{10}^{7.6}$ [°C]	740
$c_p$ [J/(g·K)]	0.520
$\lambda$ [W/(m·K)]	0.820
$\rho$ [g/cm <sup>3</sup> ]	4.02
$E$ [ $10^3$ N/mm <sup>2</sup> ]	117
$\mu$	0.290
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	1.52
$HK_{0.1/20}$	740
HG	2