

## N-LAK7 652585.384

$n_d = 1.65160$

$v_d = 58.52$

$n_F - n_C = 0.011135$

$n_e = 1.65425$

$v_e = 58.26$

$n_F - n_C = 0.011229$

### Refractive Indices

	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.61875
$n_{1970.1}$	1970.1	1.62499
$n_{1529.6}$	1529.6	1.63156
$n_{1060.0}$	1060.0	1.63828
$n_t$	1014.0	1.63904
$n_s$	852.1	1.64220
$n_r$	706.5	1.64628
$n_C$	656.3	1.64821
$n_{C'}$	643.8	1.64875
$n_{632.8}$	632.8	1.64925
$n_D$	589.3	1.65150
$n_d$	587.6	1.65160
$n_e$	546.1	1.65425
$n_F$	486.1	1.65934
$n_{F'}$	480.0	1.65998
$n_g$	435.8	1.66539
$n_h$	404.7	1.67042
$n_i$	365.0	1.67897
$n_{334.1}$	334.1	1.68820
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

### Constants of Dispersion Formula

$B_1$	1.236798890
$B_2$	0.445051837
$B_3$	1.017458880
$C_1$	0.006101055
$C_2$	0.0201388334
$C_3$	90.63803800

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

$D_0$	-3.40E-06
$D_1$	1.17E-08
$D_2$	2.38E-11
$E_0$	4.96E-07
$E_1$	4.44E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.107

### 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	0.2	0.8	1.3	-2.0	-1.5	-1.0
+20/+40	0.0	0.7	1.3	-1.4	-0.7	-0.2
+60/+80	0.3	1.0	1.7	-0.8	-0.1	0.5

### Internal Transmittance $\tau_i$

$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.550	0.220
2325	0.750	0.490
1970	0.940	0.860
1530	0.989	0.972
1060	0.999	0.998
700	0.999	0.997
660	0.998	0.996
620	0.998	0.995
580	0.998	0.995
546	0.998	0.995
500	0.997	0.992
460	0.994	0.984
436	0.992	0.980
420	0.991	0.977
405	0.989	0.973
400	0.988	0.970
390	0.984	0.961
380	0.978	0.950
370	0.966	0.920
365	0.956	0.890
350	0.910	0.790
334	0.800	0.570
320	0.620	0.300
310	0.420	0.110
300	0.190	0.020
290	0.050	0.000
280	0.000	
270		
260		
250		

### Color Code

$\lambda_{80} / \lambda_5$  35/29

### Remarks

### Relative Partial Dispersion P

$P_{s,t}$	0.2835
$P_{C,s}$	0.5400
$P_{d,C}$	0.3044
$P_{e,d}$	0.2385
$P_{g,F}$	0.5433
$P_{i,h}$	0.7687

### Relative Partial Dispersion P'

$P'_{s,t}$	0.2812
$P'_{C,s}$	0.5836
$P'_{d,C'}$	0.2538
$P'_{e,d}$	0.2365
$P'_{g,F'}$	0.4823
$P'_{i,h}$	0.7622

### Deviation of Rel. Partial Disp.

$\Delta P$ from the normal line	
$\Delta P_{C,t}$	0.0010
$\Delta P_{C,s}$	0.0007
$\Delta P_{F,e}$	-0.0005
$\Delta P_{g,F}$	-0.0021
$\Delta P_{i,g}$	-0.0140

### Chemical Properties

CR	3
FR	2
SR	53.3
AR	3.3
PR	4.3

### Other Properties

$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	7.1
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	8.2
$T_g$ [°C]	618
$T_{10}^{13}$ [°C]	626
$T_{10}^{7.6}$ [°C]	716
$c_p$ [J/(g·K)]	0.530
$\lambda$ [W/(m·K)]	0.740
$\rho$ [g/cm <sup>3</sup> ]	3.84
$E$ [ $10^3$ N/mm <sup>2</sup> ]	90
$\mu$	0.277
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	1.65
$HK_{0.1/20}$	600
HG	5