

N-LAK9 691547.351

$n_d = 1.69100$	$v_d = 54.71$	$n_F - n_C = 0.012631$
$n_e = 1.69401$	$v_e = 54.48$	$n_{F'} - n_{C'} = 0.012738$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.65294
$n_{1970.1}$	1970.1	1.66032
$n_{1529.6}$	1529.6	1.66804
$n_{1060.0}$	1060.0	1.67584
n_t	1014.0	1.67672
n_s	852.1	1.68033
n_r	706.5	1.68497
n_C	656.3	1.68716
$n_{C'}$	643.8	1.68777
$n_{632.8}$	632.8	1.68834
n_D	589.3	1.69089
n_d	587.6	1.69100
n_e	546.1	1.69401
n_F	486.1	1.69979
$n_{F'}$	480.0	1.70051
n_g	435.8	1.70667
n_h	404.7	1.71239
n_i	365.0	1.72219
$n_{334.1}$	334.1	1.73281
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Internal Transmittance τ_i		
λ [nm]	τ_i (10mm)	τ_i (25mm)
2500	0.455	0.170
2325	0.707	0.140
1970	0.941	0.420
1530	0.986	0.860
1060	0.998	0.966
700	0.998	0.995
660	0.998	0.996
620	0.998	0.995
580	0.998	0.995
546	0.998	0.994
500	0.997	0.994
460	0.994	0.992
436	0.991	0.984
420	0.988	0.977
405	0.983	0.970
400	0.980	0.957
390	0.971	0.950
380	0.954	0.930
370	0.928	0.890
365	0.906	0.830
350	0.787	0.782
334	0.525	0.550
320	0.209	0.200
310	0.070	0.020
300	0.014	
290	0.001	
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2859
$P_{C,s}$	0.5409
$P_{d,C}$	0.3043
$P_{e,d}$	0.2384
$P_{g,F}$	0.5447
$P_{i,h}$	0.7756
$P'_{s,t}$	0.2834
$P'_{C,s}$	0.5844
$P'_{d,C'}$	0.2536
$P'_{e,d}$	0.2363
$P'_{g,F'}$	0.4835
$P'_{i,h}$	0.7690

Constants of Dispersion Formula	
B_1	1.46231905
B_2	0.344399589
B_3	1.15508372
C_1	0.00724270156
C_2	0.0243353131
C_3	85.4686868

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{C,t}$	0.0223
$\Delta P_{C,s}$	0.0105
$\Delta P_{F,e}$	-0.0023
$\Delta P_{g,F}$	-0.0071
$\Delta P_{i,g}$	-0.0367

Constants of Dispersion dn/dT	
D_0	$2.11 \cdot 10^{-6}$
D_1	$1.11 \cdot 10^{-8}$
D_2	$1.82 \cdot 10^{-12}$
E_0	$4.74 \cdot 10^{-7}$
E_1	$-3.47 \cdot 10^{-10}$
λ_{TK} [μm]	0.146

Color Code	
λ_{80}/λ_5	37/31
(*= λ_{70}/λ_5)	

Remarks	

Other Properties	
$\alpha_{-30/+70^\circ C}$ [$10^{-6}/K$]	6.3
$\alpha_{+20/+300^\circ C}$ [$10^{-6}/K$]	7.5
T_g [°C]	656
$T_{10}^{13.0}$ [°C]	645
$T_{10}^{7.6}$ [°C]	722
c_p [J/(g·K)]	0.649
λ [W/(m·K)]	0.908
ρ [g/cm ³]	3.51
E [10^3 N/mm ²]	110
μ	0.285
K [10^{-6} mm ² /N]	1.83
$HK_{0.1/20}$	700
HG	3
B	0
CR	3
FR	3
SR	52
AR	1.2
PR	4.3

Temperature Coefficients of 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	3.0	3.9	4.6	0.8	1.6	2.3
+20/ +40	2.9	3.7	4.4	1.5	2.2	2.9
+60/ +80	3.1	3.8	4.4	2.0	2.7	3.3