n_d = 2.02204 ν_d = 29.06 $n_F - n_C$ = 0.035170
n_e = 2.03035 ν_e = 28.84 $n_{F'} - n_{C'}$ = 0.035721

LASF35 022291.541

Refractive Indices

	λ [nm]	
$n_{2325.4}$	2325.4	1.95946
$n_{1970.1}$	1970.1	1.96639
$n_{1529.6}$	1529.6	1.97472
$n_{1060.0}$	1060.0	1.98624
n_t	1014.0	1.98786
n_s	852.1	1.99531
n_r	706.5	2.00628
n_C	656.3	2.01185
$n_{C'}$	643.8	2.01343
$n_{632.8}$	632.8	2.01493
n_D	589.3	2.02173
n_d	587.6	2.02204
n_e	546.1	2.03035
n_F	486.1	2.04702
$n_{F'}$	480.0	2.04916
n_g	435.8	2.06805
n_h	404.7	2.08663
n_i	365.0	
$n_{334.1}$	334.1	
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Constants of Dispersion Formula

B_1	$2.45505861 \cdot 10^{+00}$
B_2	$4.53006077 \cdot 10^{-01}$
B_3	$2.38513080 \cdot 10^{+00}$
C_1	$1.35670404 \cdot 10^{-02}$
C_2	$5.45803020 \cdot 10^{-02}$
C_3	$1.67904715 \cdot 10^{+02}$

Constants of Formula dn/dT

D_0	$1.43 \cdot 10^{-07}$
D_1	$8.71 \cdot 10^{-09}$
D_2	$-2.71 \cdot 10^{-11}$
E_0	$1.02 \cdot 10^{-06}$
E_1	$1.50 \cdot 10^{-09}$
λ_{TK}[µm]	0.263

Internal Transmittance τ_i

λ [nm]	τ_i [10 mm]	τ_i [25 mm]
2500	0.86	0.69
2325	0.950	0.88
1970	0.989	0.972
1530	0.997	0.992
1060	0.996	0.990
700	0.991	0.978
660	0.988	0.970
620	0.985	0.962
580	0.979	0.950
546	0.965	0.920
500	0.920	0.81
460	0.83	0.63
436	0.74	0.47
420	0.63	0.32
405	0.49	0.17
400	0.43	0.12
390	0.30	0.05
380	0.16	0.01
370	0.06	
365	0.03	
350	0.01	
334		
320		
310		
300		
290		
280		
270		
260		
250		

Color Code

λ_{80}/λ_5	-/37

Remarks

Relative Partial Dispersion

$P_{s,t}$	0.2118
$P_{C,s}$	0.4701
$P_{d,C}$	0.2899
$P_{e,d}$	0.2364
$P_{g,F}$	0.5982
$P_{i,h}$	
$P'_{s,t}$	0.2086
$P'_{C',s}$	0.5073
$P'_{d,C'}$	0.2409
$P'_{e,d}$	0.2327
$P'_{g,F'}$	0.5291
$P'_{i,h}$	

Deviation of Rel. Partial Dispersion ΔP from "Normal Line"

$\Delta P_{C,t}$	-0.0009
$\Delta P_{C,s}$	-0.0006
$\Delta P_{F,e}$	0.0006
$\Delta P_{g,F}$	0.0033
$\Delta P_{i,g}$	

Other Properties

$\alpha_{-30/+70\,°C}$[10^{-6}/K]	7.4
$\alpha_{+20/+300\,°C}$[10^{-6}/K]	8.5
Tg[°C]	774
$T_{10^{13.0}}$[°C]	
$T_{10^{7.6}}$[°C]	
c_p[J/(g·K)]	0.445
λ[W/(m·K)]	0.920
ρ[g/cm³]	5.41
E[10^3N/mm²]	132
µ	0.303
K[10^{-6}mm²/N]	0.73
$HK_{0.1/20}$	810
HG	
B	2
CR	1
FR	0
SR	1.3
AR	1
PR	1.3

Temperature Coefficients of Refractive Index

	$\Delta n_{rel}/\Delta T$[10^{-6}/K]			$\Delta n_{abs}/\Delta T$[10^{-6}/K]		
[°C]	1060.0	e	g	1060.0	e	g
-40/ -20	2.6	5.0	7.8	-0.1	2.2	5.0
+20/+40	2.7	5.5	9.0	1.0	3.8	7.1
+60/+80	2.8	5.9	9.7	1.4	4.5	8.3