

$n_d = 1.85025$ $v_d = 32.17$ $n_F - n_C = 0.026430$
 $n_e = 1.85651$ $v_e = 31.93$ $n_F - n_C = 0.026827$

LASFN9 850322.444

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.80055
$n_{1970.1}$	1970.1	1.80657
$n_{1529.6}$	1529.6	1.81363
$n_{1060.0}$	1060.0	1.82293
n_t	1014.0	1.82420
n_e	852.1	1.82997
n_f	706.5	1.83834
n_c	656.3	1.84256
$n_{c'}$	643.8	1.84376
$n_{632.8}$	632.8	1.84489
n_D	589.3	1.85002
n_d	587.6	1.85025
n_e	546.1	1.85651
n_F	486.1	1.86899
$n_{F'}$	480.0	1.87059
n_g	435.8	1.88467
n_h	404.7	1.89844
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	$1.97888194 \cdot 10^{+00}$
B_2	$3.20435298 \cdot 10^{-01}$
B_3	$1.92900751 \cdot 10^{+00}$
C_1	$1.18537266 \cdot 10^{-02}$
C_2	$5.27381770 \cdot 10^{-02}$
C_3	$1.66256540 \cdot 10^{+02}$
Constants of Formula dn/dT	
D_0	$9.44 \cdot 10^{-07}$
D_1	$1.14 \cdot 10^{-08}$
D_2	$-1.87 \cdot 10^{-11}$
E_0	$9.22 \cdot 10^{-07}$
E_1	$1.22 \cdot 10^{-09}$
$\lambda_{TK} [\mu m]$	0.255

Temperature Coefficients of Refractive Index						
[°C]	$\Delta n_{eq}/\Delta T [10^{-6}/K]$			$\Delta n_{abs}/\Delta T [10^{-6}/K]$		
	1060.0	e	g	1060.0	e	g
-40/-20	2.7	4.6	6.7	0.3	2.0	4.1
+20/+40	2.9	5.1	7.6	1.3	3.4	5.9
+60/+80	3.1	5.5	8.3	1.9	4.2	7.0

Internal Transmittance τ_i		
λ [nm]	τ_i [10 mm]	τ_i [25 mm]
2500	0.89	0.75
2325	0.950	0.87
1970	0.988	0.970
1530	0.998	0.996
1060	0.999	0.997
700	0.995	0.988
660	0.994	0.985
620	0.993	0.982
580	0.992	0.979
546	0.988	0.970
500	0.972	0.930
460	0.940	0.87
436	0.920	0.80
420	0.88	0.73
405	0.82	0.62
400	0.79	0.56
390	0.71	0.43
380	0.58	0.26
370	0.39	0.07
365	0.29	0.02
350	0.05	
334		
320		
310		
300		
290		
280		
270		
260		
250		

Color Code	
λ_{90}/λ_{5}	49/35

Remarks	

Relative Partial Dispersion	
P_{s1}	0.2182
$P_{C's}$	0.4763
P_{dC}	0.2912
$P_{e,d}$	0.2366
$P_{g,F}$	0.5933
$P_{i,h}$	
P'_{s1}	0.2150
$P'_{C's}$	0.5140
$P'_{dC'}$	0.2420
$P'_{e,d}$	0.2331
$P'_{g,F'}$	0.5249
$P'_{i,h}$	

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{C'l}$	-0.0031
$\Delta P_{C's}$	-0.0016
$\Delta P_{F'e}$	0.0008
$\Delta P_{g,F}$	0.0036
$\Delta P_{i,g}$	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	7.4
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	8.4
Tg [°C]	698
$T_{10}^{13,0} [^\circ C]$	694
$T_{10}^{7,6} [^\circ C]$	825
$c_p [J/(g \cdot K)]$	
$\lambda [W/(m \cdot K)]$	
$\rho [g/cm^3]$	4.44
$E [10^3 N/mm^2]$	109
μ	0.286
$K [10^6 mm^2/N]$	1.76
HK _{0,1/20}	630
HG	4
B	1
CR	2
FR	0
SR	2
AR	1
PR	1