

## N-K5 522595.259

$n_d = 1.52249$

$v_d = 59.48$

$n_F - n_C = 0.008784$

$n_e = 1.52458$

$v_e = 59.22$

$n_F - n_C = 0.008858$

### Refractive Indices

	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.49656
$n_{1970.1}$	1970.1	1.50146
$n_{1529.6}$	1529.6	1.50664
$n_{1060.0}$	1060.0	1.51197
$n_t$	1014.0	1.51257
$n_s$	852.1	1.51507
$n_r$	706.5	1.51829
$n_C$	656.3	1.51982
$n_{C'}$	643.8	1.52024
$n_{632.8}$	632.8	1.52064
$n_D$	589.3	1.52241
$n_d$	587.6	1.52249
$n_e$	546.1	1.52458
$n_F$	486.1	1.52860
$n_{F'}$	480.0	1.52910
$n_g$	435.8	1.53338
$n_h$	404.7	1.53734
$n_i$	365.0	1.54412
$n_{334.1}$	334.1	1.55145
$n_{312.6}$	312.6	1.55821
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

### Constants of Dispersion Formula

$B_1$	1.085118330
$B_2$	0.199562005
$B_3$	0.930511663
$C_1$	0.006610995
$C_2$	0.0241108660
$C_3$	111.98277700

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

$D_0$	-4.13E-07
$D_1$	1.03E-08
$D_2$	-3.40E-11
$E_0$	4.73E-07
$E_1$	5.19E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.213

### 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	1.5	2.1	2.6	-0.6	0.0	0.5
+20/+40	1.4	2.1	2.7	0.1	0.7	1.4
+60/+80	1.4	2.1	2.8	0.4	1.1	1.8

### Internal Transmittance $\tau_i$

$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.780	0.530
2325	0.850	0.660
1970	0.950	0.870
1530	0.994	0.986
1060	0.998	0.995
700	0.998	0.994
660	0.997	0.992
620	0.997	0.993
580	0.998	0.995
546	0.998	0.995
500	0.997	0.993
460	0.996	0.991
436	0.996	0.991
420	0.996	0.991
405	0.996	0.989
400	0.995	0.988
390	0.994	0.984
380	0.991	0.977
370	0.985	0.962
365	0.982	0.956
350	0.950	0.880
334	0.830	0.630
320	0.540	0.210
310	0.220	0.020
300	0.060	
290		
280		
270		
260		
250		

### Color Code

$\lambda_{80} / \lambda_5$  34/30

### Remarks

### Relative Partial Dispersion P

$P_{s,t}$	0.2843
$P_{C,s}$	0.5404
$P_{d,C}$	0.3044
$P_{e,d}$	0.2384
$P_{g,F}$	0.5438
$P_{i,h}$	0.7717

### Relative Partial Dispersion P'

$P'_{s,t}$	0.2819
$P'_{C,s}$	0.5839
$P'_{d,C'}$	0.2538
$P'_{e,d}$	0.2364
$P'_{g,F'}$	0.4828
$P'_{i,h}$	0.7653

### Deviation of Rel. Partial Disp.

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

$\Delta P_{C,t}$	-0.0025
$\Delta P_{C,s}$	-0.0012
$\Delta P_{F,e}$	0.0001
$\Delta P_{g,F}$	0.0000
$\Delta P_{i,g}$	-0.0019

### Chemical Properties

CR	1
FR	0
SR	1
AR	1
PR	1

### Other Properties

$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	8.2
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	9.6
$T_g$ [°C]	546
$T_{10}^{13}$ [°C]	540
$T_{10}^{7.6}$ [°C]	720
$c_p$ [J/(g·K)]	0.783
$\lambda$ [W/(m·K)]	0.950
$\rho$ [g/cm <sup>3</sup> ]	2.59
$E$ [ $10^3$ N/mm <sup>2</sup> ]	71
$\mu$	0.224
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	3.03
$HK_{0.1/20}$	530
HG	3