

## N-SK16 620603.358

$n_d = 1.62041$

$v_d = 60.32$

$n_F - n_C = 0.010285$

$n_e = 1.62286$

$v_e = 60.08$

$n_{F'} - n_{C'} = 0.010368$

### Refractive Indices

	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.58919
$n_{1970.1}$	1970.1	1.59523
$n_{1529.6}$	1529.6	1.60157
$n_{1060.0}$	1060.0	1.60799
$n_t$	1014.0	1.60871
$n_s$	852.1	1.61167
$n_r$	706.5	1.61548
$n_C$	656.3	1.61727
$n_{C'}$	643.8	1.61777
$n_{632.8}$	632.8	1.61824
$n_D$	589.3	1.62032
$n_d$	587.6	1.62041
$n_e$	546.1	1.62286
$n_F$	486.1	1.62756
$n_{F'}$	480.0	1.62814
$n_g$	435.8	1.63312
$n_h$	404.7	1.63773
$n_i$	365.0	1.64559
$n_{334.1}$	334.1	1.65403
$n_{312.6}$	312.6	1.66178
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

### Constants of Dispersion Formula

$B_1$	1.343177740
$B_2$	0.241144399
$B_3$	0.994317969
$C_1$	0.007046873
$C_2$	0.0229005000
$C_3$	92.75085260

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

$D_0$	-2.37E-08
$D_1$	1.32E-08
$D_2$	-1.29E-11
$E_0$	4.09E-07
$E_1$	5.17E-10
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.170

### 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	1.6	2.2	2.6	-0.5	-0.1	0.4
+20/+40	1.7	2.3	2.9	0.3	0.9	1.4
+60/+80	1.9	2.6	3.2	0.8	1.5	2.1

### Internal Transmittance $\tau_i$

$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.580	0.260
2325	0.780	0.540
1970	0.950	0.880
1530	0.989	0.973
1060	0.998	0.995
700	0.998	0.996
660	0.998	0.994
620	0.997	0.993
580	0.998	0.994
546	0.998	0.994
500	0.996	0.991
460	0.994	0.984
436	0.992	0.981
420	0.992	0.979
405	0.990	0.974
400	0.988	0.970
390	0.982	0.956
380	0.971	0.930
370	0.954	0.890
365	0.940	0.860
350	0.870	0.700
334	0.690	0.400
320	0.410	0.110
310	0.210	0.020
300	0.060	
290	0.010	
280		
270		
260		
250		

### Color Code

$\lambda_{80} / \lambda_{5}$  36/30

### Remarks

### Relative Partial Dispersion P

$P_{s,t}$	0.2885
$P_{C,s}$	0.5443
$P_{d,C}$	0.3051
$P_{e,d}$	0.2385
$P_{g,F}$	0.5412
$P_{i,h}$	0.7633

### Relative Partial Dispersion P'

$P'_{s,t}$	0.2861
$P'_{C,s}$	0.5882
$P'_{d,C'}$	0.2544
$P'_{e,d}$	0.2366
$P'_{g,F'}$	0.4805
$P'_{i,h}$	0.7572

### Deviation of Rel. Partial Disp.

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

$\Delta P_{C,t}$	0.0016
$\Delta P_{C,s}$	0.0007
$\Delta P_{F,e}$	-0.0003
$\Delta P_{g,F}$	-0.0011
$\Delta P_{i,g}$	-0.0067

### Chemical Properties

CR	4
FR	4
SR	53.3
AR	3.3
PR	3.2

### Other Properties

$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	6.3
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	7.3
$T_g$ [°C]	636
$T_{10}^{13}$ [°C]	633
$T_{10}^{7.6}$ [°C]	750
$c_p$ [J/(g·K)]	0.578
$\lambda$ [W/(m·K)]	0.818
$\rho$ [g/cm <sup>3</sup> ]	3.58
$E$ [ $10^3$ N/mm <sup>2</sup> ]	89
$\mu$	0.264
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	1.90
$HK_{0.1/20}$	600
HG	4