

## N-SK2 607567.355

$n_d = 1.60738$

$v_d = 56.65$

$n_F - n_C = 0.010722$

$n_e = 1.60994$

$v_e = 56.37$

$n_F - n_C = 0.010821$

### Refractive Indices

	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.57881
$n_{1970.1}$	1970.1	1.58378
$n_{1529.6}$	1529.6	1.58914
$n_{1060.0}$	1060.0	1.59490
$n_t$	1014.0	1.59558
$n_s$	852.1	1.59847
$n_r$	706.5	1.60230
$n_C$	656.3	1.60414
$n_{C'}$	643.8	1.60465
$n_{632.8}$	632.8	1.60513
$n_D$	589.3	1.60729
$n_d$	587.6	1.60738
$n_e$	546.1	1.60994
$n_F$	486.1	1.61486
$n_{F'}$	480.0	1.61547
$n_g$	435.8	1.62073
$n_h$	404.7	1.62562
$n_i$	365.0	1.63398
$n_{334.1}$	334.1	1.64304
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

### Constants of Dispersion Formula

$B_1$	1.281890120
$B_2$	0.257738258
$B_3$	0.968186040
$C_1$	0.007271916
$C_2$	0.0242823527
$C_3$	110.37777300

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

$D_0$	3.80E-06
$D_1$	1.41E-08
$D_2$	2.28E-11
$E_0$	6.44E-07
$E_1$	8.03E-11
$\lambda_{TK}$ [ $\mu\text{m}$ ]	0.108

### 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	3.7	4.6	5.3	1.5	2.4	3.1
+20/+40	3.6	4.5	5.3	2.3	3.1	3.9
+60/+80	4.0	4.9	5.7	2.9	3.8	4.5

### Internal Transmittance $\tau_i$

$\lambda$ [nm]	$\tau_i$ [10mm]	$\tau_i$ [25mm]
2500	0.820	0.600
2325	0.900	0.760
1970	0.971	0.930
1530	0.995	0.988
1060	0.998	0.995
700	0.998	0.995
660	0.998	0.994
620	0.998	0.994
580	0.998	0.995
546	0.998	0.995
500	0.996	0.990
460	0.993	0.983
436	0.993	0.982
420	0.994	0.984
405	0.994	0.985
400	0.994	0.984
390	0.992	0.979
380	0.988	0.970
370	0.976	0.940
365	0.967	0.920
350	0.910	0.780
334	0.750	0.490
320	0.500	0.180
310	0.280	0.040
300	0.100	
290	0.020	
280		
270		
260		
250		

### Color Code

$\lambda_{80} / \lambda_5$  33/28

### Remarks

step 0.5 available

### Relative Partial Dispersion P

$P_{s,t}$	0.2690
$P_{C,s}$	0.5285
$P_{d,C}$	0.3027
$P_{e,d}$	0.2384
$P_{g,F}$	0.5477
$P_{i,h}$	0.7802

### Relative Partial Dispersion P'

$P'_{s,t}$	0.2666
$P'_{C,s}$	0.5713
$P'_{d,C'}$	0.2523
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4860
$P'_{i,h}$	0.7730

### Deviation of Rel. Partial Disp.

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

$\Delta P_{C,t}$	-0.0162
$\Delta P_{C,s}$	-0.0064
$\Delta P_{F,e}$	0.0003
$\Delta P_{g,F}$	-0.0008
$\Delta P_{i,g}$	-0.0130

### Chemical Properties

CR	2
FR	0
SR	2.2
AR	1
PR	2.3

### Other Properties

$\alpha_{-30/+70^\circ\text{C}}$ [ $10^{-6}/K$ ]	6.0
$\alpha_{+20/+300^\circ\text{C}}$ [ $10^{-6}/K$ ]	7.1
$T_g$ [°C]	659
$T_{10}^{13}$ [°C]	659
$T_{10}^{7.6}$ [°C]	823
$c_p$ [J/(g·K)]	0.595
$\lambda$ [W/(m·K)]	0.776
$\rho$ [g/cm <sup>3</sup> ]	3.55
$E$ [ $10^3$ N/mm <sup>2</sup> ]	78
$\mu$	0.263
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	2.31
$HK_{0.1/20}$	550
HG	2