

## N-SK2HT 607567.355

$n_d = 1.60738$   
 $n_e = 1.60994$

$v_d = 56.65$   
 $v_e = 56.37$

$n_F - n_C = 0.010722$   
 $n_P - n_C = 0.010821$

### 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	0.810	0.590
2325	0.890	0.750
1970	0.976	0.940
1530	0.995	0.987
1060	0.998	0.996
700	0.999	0.997
660	0.998	0.996
620	0.998	0.996
580	0.999	0.997
546	0.999	0.997
500	0.998	0.995
460	0.997	0.992
436	0.996	0.991
420	0.997	0.992
405	0.996	0.991
400	0.996	0.990
390	0.994	0.986
380	0.992	0.980
370	0.987	0.968
365	0.983	0.957
350	0.955	0.890
334	0.870	0.700
320	0.650	0.350
310	0.390	0.090
300	0.130	0.000
290	0.010	
280	0.000	
270		
260		
250		

### Color Code

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

### Remarks

### 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