

## N-BAK1 573576.319

$n_d = 1.57250$	$v_d = 57.55$	$n_F - n_C = 0.009948$
$n_e = 1.57487$	$v_e = 57.27$	$n_{F'} - n_{C'} = 0.010039$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.54556
$n_{1970.1}$	1970.1	1.55032
$n_{1529.6}$	1529.6	1.55543
$n_{1060.0}$	1060.0	1.56088
$n_t$	1014.0	1.56152
$n_s$	852.1	1.56421
$n_r$	706.5	1.56778
$n_C$	656.3	1.56949
$n_{C'}$	643.8	1.56997
$n_{632.8}$	632.8	1.57041
$n_D$	589.3	1.57241
$n_d$	587.6	1.57250
$n_e$	546.1	1.57487
$n_F$	486.1	1.57943
$n_{F'}$	480.0	1.58000
$n_g$	435.8	1.58488
$n_h$	404.7	1.58941
$n_i$	365.0	1.59716
$n_{334.1}$	334.1	1.60554
$n_{312.6}$	312.6	1.61326
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Constants of Dispersion Formula	
$B_1$	1.12365662
$B_2$	0.309276848
$B_3$	0.881511957
$C_1$	0.00644742752
$C_2$	0.0222284402
$C_3$	107.297751

Constants of Dispersion $dn/dT$	
$D_0$	$1.86 \cdot 10^{-7}$
$D_1$	$1.29 \cdot 10^{-8}$
$D_2$	$-1.87 \cdot 10^{-11}$
$E_0$	$5.25 \cdot 10^{-7}$
$E_1$	$5.46 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.182

Temperature Coefficients of Refractive Index						
	$\Delta n_{rel} / \Delta T [10^{-6} / K]$			$\Delta n_{abs} / \Delta T [10^{-6} / K]$		
[°C]	1060.0	e	g	1060.0	e	g
-40/ -20	1.7	2.4	3.0	-0.4	0.2	0.8
+20/ +40	1.8	2.5	3.2	0.4	1.2	1.8
+60/ +80	1.9	2.7	3.5	0.9	1.7	2.4

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ (10mm)	$\tau_i$ (25mm)
2500	0.806	0.584
2325	0.877	0.721
1970	0.960	0.903
1530	0.994	0.986
1060	0.998	0.996
700	0.999	0.997
660	0.998	0.995
620	0.998	0.995
580	0.998	0.995
546	0.998	0.995
500	0.997	0.992
460	0.996	0.990
436	0.996	0.989
420	0.996	0.990
405	0.996	0.990
400	0.996	0.990
390	0.995	0.988
380	0.993	0.983
370	0.991	0.977
365	0.987	0.969
350	0.971	0.930
334	0.924	0.820
320	0.799	0.570
310	0.609	0.290
300	0.345	0.070
290	0.102	
280	0.014	
270		
260		
250		

Color Code	
$\lambda_{80} / \lambda_5$	33/29
(*= $\lambda_{70} / \lambda_5$ )	

Remarks

Relative Partial Dispersion	
$P_{s,t}$	0.2712
$P_{C,s}$	0.5301
$P_{d,C}$	0.3029
$P_{e,d}$	0.2384
$P_{g,F}$	0.5472
$P_{i,h}$	0.7788
$P'_{s,t}$	0.2687
$P'_{C,s}$	0.5730
$P'_{d,C'}$	0.2525
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4855
$P'_{i,h}$	0.7717

### Deviation of Relative Partial Dispersions $\Delta P$ from the "Normal Line"

$\Delta P_{C,t}$	-0.0167
$\Delta P_{C,s}$	-0.0069
$\Delta P_{F,e}$	0.0006
$\Delta P_{g,F}$	0.0002
$\Delta P_{i,g}$	-0.0075

### Other Properties

$\alpha_{-30/+70^\circ C} [10^{-6} / K]$	7.6
$\alpha_{+20/+300^\circ C} [10^{-6} / K]$	8.6
$T_g [^\circ C]$	592
$T_{10}^{13.0} [^\circ C]$	592
$T_{10}^{7.6} [^\circ C]$	746
$c_p [J/(g \cdot K)]$	0.687
$\lambda [W/(m \cdot K)]$	0.795
$\rho [g/cm^3]$	3.19
$E [10^3 N/mm^2]$	73
$\mu$	0.252
$K [10^{-6} mm^2/N]$	2.62
$HK_{0.1/20}$	530
HG	2
B	1
CR	2
FR	1
SR	3.3
AR	1.2
PR	2