

## N-BALF5 547536.261

 $n_d = 1.54739$ 
 $v_d = 53.63$ 
 $n_F - n_C = 0.010207$ 
 $n_e = 1.54982$ 
 $v_e = 53.36$ 
 $n_{F'} - n_{C'} = 0.010303$ 

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	
$n_{1970.1}$	1970.1	
$n_{1529.6}$	1529.6	
$n_{1060.0}$	1060.0	1.53529
$n_t$	1014.0	1.53598
$n_s$	852.1	1.53885
$n_r$	706.5	1.54255
$n_C$	656.3	1.54430
$n_{C'}$	643.8	1.54479
$n_{632.8}$	632.8	1.54525
$n_D$	589.3	1.54730
$n_d$	587.6	1.54739
$n_e$	546.1	1.54982
$n_F$	486.1	1.55451
$n_{F'}$	480.0	1.55510
$n_g$	435.8	1.56016
$n_h$	404.7	1.56491
$n_i$	365.0	
$n_{334.1}$	334.1	
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ (10mm)	$\tau_i$ (25mm)
<b>2500</b>	0.618	0.300
<b>2325</b>	0.758	0.500
<b>1970</b>	0.919	0.810
<b>1530</b>	0.989	0.973
<b>1060</b>	0.996	0.991
<b>700</b>	0.998	0.995
<b>660</b>	0.997	0.993
<b>620</b>	0.997	0.993
<b>580</b>	0.998	0.995
<b>546</b>	0.998	0.995
<b>500</b>	0.997	0.992
<b>460</b>	0.995	0.988
<b>436</b>	0.994	0.984
<b>420</b>	0.991	0.978
<b>405</b>	0.986	0.965
<b>400</b>	0.983	0.957
<b>390</b>	0.967	0.920
<b>380</b>	0.937	0.850
<b>370</b>	0.872	0.710
<b>365</b>	0.815	0.600
<b>350</b>	0.439	0.128
<b>334</b>	0.006	
<b>320</b>		
<b>310</b>		
<b>300</b>		
<b>290</b>		
<b>280</b>		
<b>270</b>		
<b>260</b>		
<b>250</b>		

Relative Partial Dispersion	
$P_{s,t}$	0.2810
$P_{C,s}$	0.5345
$P_{d,C}$	0.3025
$P_{e,d}$	0.2380
$P_{g,F}$	0.5532
$P_{i,h}$	
$P'_{s,t}$	0.2783
$P'_{C',s}$	0.5771
$P'_{d,C'}$	0.2520
$P'_{e,d}$	0.2357
$P'_{g,F'}$	0.4909
$P'_{i,h}$	

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

$\Delta P_{C,t}$	0.0161
$\Delta P_{C,s}$	0.0066
$\Delta P_{F,e}$	-0.0007
$\Delta P_{g,F}$	-0.0004
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
$B_1$	1.28385965
$B_2$	0.0719300942
$B_3$	1.05048927
$C_1$	0.00825815975
$C_2$	0.0441920027
$C_3$	107.097324

Constants of Dispersion $dn/dT$	
$D_0$	$1.14 \cdot 10^{-6}$
$D_1$	$1.29 \cdot 10^{-8}$
$D_2$	$-1.46 \cdot 10^{-11}$
$E_0$	$5.02 \cdot 10^{-7}$
$E_1$	$5.87 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.219

Color Code	
$\lambda_{80}/\lambda_5$	37/34
(* = $\lambda_{70}/\lambda_5$ )	
Remarks	

Temperature Coefficients of Refractive Index						
	$\Delta n_{rel}/\Delta T [10^{-6}/K]$			$\Delta n_{abs}/\Delta T [10^{-6}/K]$		
$[\text{°C}]$	1060.0	e	g	1060.0	e	g
-40/ -20	2.1	2.8	3.5	0.1	0.7	1.3
+20/ +40	2.1	2.9	3.7	0.8	1.6	2.3
+60/ +80	2.3	3.1	3.9	1.3	2.1	2.9

Other Properties	
$\alpha_{-30/+70\text{°C}} [10^{-6}/K]$	7.3
$\alpha_{+20/+300\text{°C}} [10^{-6}/K]$	8.4
$T_g [\text{°C}]$	558
$T_{10}^{13.0} [\text{°C}]$	559
$T_{10}^{7.6} [\text{°C}]$	711
$c_p [J/(g \cdot K)]$	0.810
$\lambda [W/(m \cdot K)]$	1.050
$\rho [g/cm^3]$	2.61
$E [10^3 N/mm^2]$	81
$\mu$	0.214
$K [10^{-6} mm^2/N]$	2.76
$HK_{0.1/20}$	600
HG	2
CR	1
FR	0
SR	1
AR	2
PR	1