

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

	λ [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	

Constants of Dispersion Formula

B_1	1.283859650
B_2	0.071930094
B_3	1.050489270
C_1	0.008258160
C_2	0.0441920027
C_3	107.09732400

Constants of Formula for dn/dT

D_0	1.14E-06
D_1	1.29E-08
D_2	-1.46E-11
E_0	5.02E-07
E_1	5.87E-10
λ_{TK} [μm]	0.219

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	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

Internal Transmittance τ_i

λ [nm]	τ_i [10mm]	τ_i [25mm]
2500	0.620	0.300
2325	0.760	0.500
1970	0.920	0.810
1530	0.989	0.973
1060	0.996	0.991
700	0.998	0.995
660	0.997	0.993
620	0.997	0.993
580	0.998	0.995
546	0.998	0.995
500	0.997	0.992
460	0.995	0.988
436	0.994	0.984
420	0.991	0.978
405	0.986	0.965
400	0.983	0.957
390	0.967	0.920
380	0.940	0.850
370	0.870	0.710
365	0.820	0.600
350	0.440	0.130
334	0.010	
320		
310		
300		
290		
280		
270		
260		
250		

Color Code

$\lambda_{80} / \lambda_{5}$ 37/34

Remarks

Relative Partial Dispersion P

$P_{s,t}$	0.2810
$P_{C,s}$	0.5345
$P_{d,C}$	0.3025
$P_{e,d}$	0.2380
$P_{g,F}$	0.5532
$P_{i,h}$	

Relative Partial Dispersion P'

$P'_{s,t}$	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 Rel. Partial Disp.

ΔP 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
$\Delta P_{i,g}$	

Chemical Properties

CR	1
FR	0
SR	1
AR	2
PR	1

Other Properties

$\alpha_{-30/+70^\circ\text{C}}$ [$10^{-6}/K$]	7.3
$\alpha_{+20/+300^\circ\text{C}}$ [$10^{-6}/K$]	8.4
T_g [°C]	558
T_{10}^{13} [°C]	559
$T_{10}^{7.6}$ [°C]	711
c_p [J/(g·K)]	0.810
λ [W/(m·K)]	1.050
ρ [g/cm ³]	2.61
E [10^3 N/mm ²]	81
μ	0.214
K [10^{-6} mm ² /N]	2.76
$HK_{0.1/20}$	600
HG	2