

**BAFN6**  
**589485.317**

$n_d = 1.58900$	$v_d = 48.45$	$n_F - n_C = 0.012158$
$n_e = 1.59189$	$v_e = 48.16$	$n_{F'} - n_{C'} = 0.012291$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.55832
$n_{1970.1}$	1970.1	1.56349
$n_{1529.6}$	1529.6	1.56910
$n_{1060.0}$	1060.0	1.57522
$n_t$	1014.0	1.57596
$n_s$	852.1	1.57910
$n_r$	706.5	1.58332
$n_C$	656.3	1.58536
$n_{C'}$	643.8	1.58594
$n_{632.8}$	632.8	1.58647
$n_D$	589.3	1.58889
$n_d$	587.6	1.58900
$n_e$	546.1	1.59189
$n_F$	486.1	1.59752
$n_{F'}$	480.0	1.59823
$n_g$	435.8	1.60436
$n_h$	404.7	1.61017
$n_i$	365.0	1.62038
$n_{334.1}$	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>		
<b>2325</b>	0.910	0.780
<b>1970</b>	0.976	0.940
<b>1530</b>	0.998	0.995
<b>1060</b>	0.998	0.995
<b>700</b>	0.999	0.997
<b>660</b>	0.998	0.995
<b>620</b>	0.998	0.994
<b>580</b>	0.998	0.994
<b>546</b>	0.996	0.991
<b>500</b>	0.994	0.986
<b>460</b>	0.990	0.975
<b>436</b>	0.985	0.963
<b>420</b>	0.981	0.954
<b>405</b>	0.976	0.940
<b>400</b>	0.971	0.930
<b>390</b>	0.954	0.890
<b>380</b>	0.920	0.810
<b>370</b>	0.850	0.670
<b>365</b>	0.790	0.560
<b>350</b>	0.430	0.120
<b>334</b>		
<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	
$P_{s,t}$	0.2580
$P_{C,s}$	0.5152
$P_{d,C}$	0.2993
$P_{e,d}$	0.2377
$P_{g,F}$	0.5625
$P_{i,h}$	0.8405
$P'_{s,t}$	0.2552
$P'_{C',s}$	0.5565
$P'_{d,C'}$	0.2492
$P'_{e,d}$	0.2351
$P'_{g,F'}$	0.4987
$P'_{i,h}$	0.8314

Deviation of Relative Partial Dispersions $\Delta P$ from the "Normal Line"	
$\Delta P_{C,t}$	-0.0015
$\Delta P_{C,s}$	-0.0006
$\Delta P_{F,e}$	0.0001
$\Delta P_{g,F}$	0.0002
$\Delta P_{i,g}$	0.0002

Constants of Dispersion Formula	
$B_1$	1.36719201
$B_2$	0.10907994
$B_3$	1.02108011
$C_1$	0.00882820704
$C_2$	0.0438731646
$C_3$	113.58602

Color Code	
$\lambda_{80}/\lambda_5$	38/33
(*= $\lambda_{70}/\lambda_5$ )	

Remarks	
inquiry glass, lead containing	

Other Properties	
$\alpha_{-30/+70^\circ\text{C}} [10^{-6}/\text{K}]$	7.8
$\alpha_{+20/+300^\circ\text{C}} [10^{-6}/\text{K}]$	8.5
$T_g [^\circ\text{C}]$	549
$T_{10}^{13.0} [^\circ\text{C}]$	0
$T_{10}^{7.6} [^\circ\text{C}]$	0
$c_p [\text{J}/(\text{g}\cdot\text{K})]$	
$\lambda [\text{W}/(\text{m}\cdot\text{K})]$	
$\rho [\text{g}/\text{cm}^3]$	3.17
$E [10^3 \text{N}/\text{mm}^2]$	77
$\mu$	0.234
$K [10^{-6} \text{mm}^2/\text{N}]$	2.50
$\text{HK}_{0.1/20}$	540
<b>HG</b>	
<b>CR</b>	2
<b>FR</b>	0
<b>SR</b>	2
<b>AR</b>	2
<b>PR</b>	1

Temperature Coefficients of Refractive Index						
[ $^\circ\text{C}$ ]	$\Delta n_{\text{rel}}/\Delta T [10^{-6}/\text{K}]$			$\Delta n_{\text{abs}}/\Delta T [10^{-6}/\text{K}]$		
	1060.0	e	g	1060.0	e	g
<b>-40/ -20</b>	2.1	2.9	3.9	0.0	0.8	1.7
<b>+20/ +40</b>	2.3	3.2	4.3	1.0	1.8	2.8
<b>+60/ +80</b>	2.4	3.3	4.4	1.3	2.2	3.3