

BAFD8

723-380

$n_d = 1.72342$ $\nu_d = 37.99$ $n_F - n_C = 0.019040$
 $n_e = 1.72793$ $\nu_e = 37.72$ $n_{F'} - n_{C'} = 0.019297$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.70410
n_s	852.11	1.70848
$n_{A'}$	768.19	1.71168
n_r	706.52	1.71471
n_c	656.27	1.71781
$n_{c'}$	643.85	1.71869
n_{633}	632.80	1.71952
n_D	589.29	1.72325
n_d	587.56	1.72342
n_e	546.07	1.72793
n_F	486.13	1.73685
$n_{F'}$	479.99	1.73799
n_g	435.84	1.74793
n_h	404.66	1.75759
n_i	365.01	1.77526

分散式の定数 Constants of dispersion formula	
A_0	2.8863236
A_1	$-9.8027240 \times 10^{-3}$
A_2	2.7654256×10^{-2}
A_3	8.9006367×10^{-4}
A_4	$-3.6309109 \times 10^{-5}$
A_5	7.6181062×10^{-6}

部分分散 Partial dispersions	
$n_c - n_t$	0.013711
$n_d - n_c$	0.005605
$n_F - n_d$	0.013435
$n_g - n_F$	0.011080
$n_{c'} - n_t$	0.014590
$n_e - n_{c'}$	0.009240
$n_{F'} - n_e$	0.010057
$n_g - n_{F'}$	0.009944

部分分散比 Partial dispersion rates			
$P_{c,t}$	0.7201	$P'_{c,t}$	0.7561
$P_{d,c}$	0.2944	$P'_{d,c}$	0.2449
$P_{e,d}$	0.2371	$P'_{e,d}$	0.2339
$P_{F,e}$	0.4685	$P'_{F,e}$	0.5212
$P_{g,F}$	0.5819	$P'_{g,F}$	0.5153
$P_{h,g}$	0.5072	$P'_{h,g}$	0.5005
$P_{i,h}$	0.9281	$P'_{i,h}$	0.9157

異常分散性 Anomalous dispersions	
$\Delta P_{c,t}$	-0.0033
$\Delta P_{c,A'}$	-0.0009
$\Delta P_{g,d}$	0.0024
$\Delta P_{g,F}$	0.0021
$\Delta P_{i,g}$	0.0303

化学的性質 Chemical Properties	
D_W	1
D_A	1
T_{Blue}	1
D_{NaOH}	1
D_{STPP}	1
D_0	1
D_H	

熱的性質 Thermal Properties	
T_g (°C)	598
T_s (°C)	662
$T_{10^{14.5}}$ (°C)	573
$T_{10^{13}}$ (°C)	592
$T_{10^{7.6}}$ (°C)	718
$\alpha_{-30/+70}$ ($10^{-7}/K$)	71
$\alpha_{100/300}$ ($10^{-7}/K$)	86
λ [W/(m·K)]	1.010
C_p [kJ/(kg·K)]	0.565

機械的性質 Mechanical Properties	
H_K	610 (6)
F_A	130
E (GPa)	106
G (GPa)	42.2
μ	0.251
σ_b (MPa)	

屈折率の温度係数 Thermal coefficient of refractive indices ($\times 10^{-6}/K$)		
(°C)	dn/dT (rel.)	dn/dT (abs.)
-40/-20	4.4	2.1
-20/0	4.5	2.5
0/+20	4.6	2.9
+20/+40	4.6	3.2
+40/+60	4.7	3.4
+60/+80	4.8	3.7

光弾性定数 Photoelastic Constant	
B ($10^{-12}/Pa$)	1.97

比重 Specific Gravity	
d	3.62

備考 Remarks					
硝種対照表 Glass Cross Reference Index					
	HOYA	SCHOTT	OHARA	HIKARI	CDGM
Glass Type	BAFD8	N-BASF51	S-BAH28	E-BASF8	H-ZBAF21
Code	723-380	724-381	723-380	723-380	723-380
作成 201104					

内部透過率 Internal Transmittance		
λ (nm)	τ 5mm	τ 10mm
1550	0.998	0.996
1500	0.997	0.995
1400	0.998	0.997
1300	0.999	0.999
1200	0.999	0.999
1100	0.999	0.999
1060	0.999	0.999
1050	0.999	0.998
1000	0.999	0.999
950	0.999	0.999
900	0.999	0.998
850	0.999	0.999
830	0.999	0.999
800	0.999	0.999
780	0.999	0.999
750	0.999	0.999
700	0.999	0.999
650	0.999	0.999
600	0.999	0.998
550	0.999	0.998
500	0.997	0.994
480	0.995	0.990
460	0.992	0.984
440	0.987	0.974
420	0.972	0.945
400	0.924	0.854
390	0.864	0.747
380	0.757	0.573
370	0.567	0.322
360	0.290	0.084
350		
340		
330		
320		
310		
300		
290		
280		
着色度 Coloration Code		
$\lambda 80 (\lambda 70) / \lambda 5$	410/360	
着色度 (内部透過率) Coloration of Internal Transmittance		
$\lambda \tau 80 / \lambda \tau 5$	395/358	