

E-BACD10

623-569

$n_d = 1.62280$ $\nu_d = 56.91$ $n_F - n_C = 0.010943$
 $n_e = 1.62541$ $\nu_e = 56.62$ $n_{F'} - n_{C'} = 0.011045$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.61072
n_s	852.11	1.61370
$n_{A'}$	768.19	1.61574
n_r	706.52	1.61762
n_c	656.27	1.61949
$n_{c'}$	643.85	1.62001
n_{633}	632.80	1.62051
n_D	589.29	1.62270
n_d	587.56	1.62280
n_e	546.07	1.62541
n_F	486.13	1.63043
$n_{F'}$	479.99	1.63106
n_g	435.84	1.63642
n_h	404.66	1.64139
n_i	365.01	1.64991

分散式の定数 Constants of dispersion formula	
A_0	2.5906326
A_1	$-1.0608994 \times 10^{-2}$
A_2	1.4490916×10^{-2}
A_3	6.7542247×10^{-4}
A_4	$-5.5303116 \times 10^{-5}$
A_5	3.0061364×10^{-6}

部分分散 Partial dispersions	
$n_c - n_t$	0.008772
$n_d - n_c$	0.003311
$n_F - n_d$	0.007632
$n_g - n_F$	0.005985
$n_{c'} - n_t$	0.009297
$n_e - n_{c'}$	0.005395
$n_{F'} - n_e$	0.005650
$n_g - n_{F'}$	0.005358

部分分散比 Partial dispersion rates			
$P_{c,t}$	0.8016	$P'_{c,t}$	0.8417
$P_{d,c}$	0.3026	$P'_{d,c}$	0.2522
$P_{e,d}$	0.2384	$P'_{e,d}$	0.2362
$P_{F,e}$	0.4590	$P'_{F,e}$	0.5115
$P_{g,F}$	0.5469	$P'_{g,F}$	0.4851
$P_{h,g}$	0.4545	$P'_{h,g}$	0.4503
$P_{i,h}$	0.7781	$P'_{i,h}$	0.7709

異常分散性 Anomalous dispersions	
$\Delta P_{c,t}$	-0.0102
$\Delta P_{c,A'}$	-0.0035
$\Delta P_{g,d}$	0.0023
$\Delta P_{g,F}$	0.0012
$\Delta P_{i,g}$	-0.0049

化学的性質 Chemical Properties	
D_W	1
D_A	4
T_{Blue}	4
D_{NaOH}	1
D_{STPP}	2
D_0	1
D_H	

熱的性質 Thermal Properties	
T_g (°C)	630
T_s (°C)	687
$T_{10^{14.5}}$ (°C)	605
$T_{10^{13}}$ (°C)	623
$T_{10^{7.6}}$ (°C)	745
$\alpha_{-30/+70}$ ($10^{-7}/K$)	67
$\alpha_{100/300}$ ($10^{-7}/K$)	82
λ [W/(m·K)]	0.824
C_p [kJ/(kg·K)]	0.558

機械的性質 Mechanical Properties	
H_K	535 (5)
F_A	140
E (GPa)	80
G (GPa)	31.5
μ	0.276
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	2.4	0.2
-20/ 0	2.5	0.7
0/+20	2.7	1.1
+20/+40	2.8	1.4
+40/+60	3.0	1.8
+60/+80	3.2	2.1

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

比重 Specific Gravity	
d	3.66

備考 Remarks					
硝種対照表 Glass Cross Reference Index					
	HOYA	SCHOTT	OHARA	HIKARI	CDGM
Glass Type	E-BACD10	N-SK10	S-BSM10		
Code	623-569	623-570	623-570		
作成 201104					

内部透過率 Internal Transmittance		
λ (nm)	τ 5mm	τ 10mm
1550	0.997	0.995
1500	0.997	0.994
1400	0.996	0.992
1300	0.999	0.998
1200	0.999	0.999
1100	0.999	0.999
1060	0.999	0.999
1050	0.999	0.999
1000	0.999	0.999
950	0.999	0.999
900	0.999	0.999
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	0.999
550	0.999	0.999
500	0.999	0.999
480	0.999	0.999
460	0.999	0.999
440	0.999	0.998
420	0.999	0.998
400	0.997	0.994
390	0.994	0.989
380	0.991	0.983
370	0.983	0.967
360	0.968	0.938
350	0.940	0.884
340	0.890	0.800
330	0.810	0.660
320	0.680	0.470
310	0.500	0.250
300	0.280	0.080
290	0.110	0.010
280		

着色度 Coloration Code	
$\lambda 80(\lambda 70)/\lambda 5$	350/300

着色度 Coloration of Internal Transmittance (内部透過率)	
$\lambda \tau 80/\lambda \tau 5$	