M-BACD15

623-582

$n_d = 1.62263$　$\nu_d = 58.16$　$n_F - n_C = 0.010705$
$n_e = 1.62518$　$\nu_e = 57.95$　$n_{F'} - n_{C'} = 0.010788$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.61029
n_s	852.11	1.61346
$n_{A'}$	768.19	1.61557
n_r	706.52	1.61747
n_C	656.27	1.61935
$n_{C'}$	643.85	1.61987
n_{633}	632.80	1.62036
n_D	589.29	1.62253
n_d	587.56	1.62263
n_e	546.07	1.62518
n_F	486.13	1.63005
$n_{F'}$	479.99	1.63066
n_g	435.84	1.63582
n_h	404.66	1.64060
n_i	365.01	1.64875

分散式の定数 Constants of dispersion formula	
A_0	2.5909190
A_1	$-1.2594760 \times 10^{-2}$
A_2	1.5202050×10^{-2}
A_3	2.9999800×10^{-4}
A_4	$-1.1315470 \times 10^{-5}$
A_5	9.1546400×10^{-7}

部分分散 Partial dispersions	
$n_C - n_t$	0.009061
$n_d - n_C$	0.003276
$n_F - n_d$	0.007429
$n_g - n_F$	0.005770
$n_{C'} - n_t$	0.009584
$n_e - n_{C'}$	0.005307
$n_{F'} - n_e$	0.005481
$n_g - n_{F'}$	0.005164

部分分散比 Partial dispersion rates			
P_{C_t}	0.8464	$P'_{C'\_t}$	0.8884
P_{d_C}	0.3060	$P'_{d\_C'}$	0.2552
P_{e_d}	0.2386	P'_{e_d}	0.2367
P_{F_e}	0.4554	$P'_{F'\_e}$	0.5081
P_{g_F}	0.5390	$P'_{g\_F'}$	0.4787
P_{h_g}	0.4463	P'_{h_g}	0.4429
P_{i_h}	0.7608	P'_{i_h}	0.7549

異常分散性 Anomalous dispersions	
ΔP_{C_t}	0.0288
$\Delta P_{C\_A'}$	0.0057
ΔP_{g_d}	-0.0062
ΔP_{g_F}	-0.0045
ΔP_{i_g}	-0.0194

化学的性質 Chemical Properties	
D_W	2
D_A	4
T_{Blue}	3
D_{NaOH}	1
D_{STPP}	2
D_0	2
D_H	2

熱的性質 Thermal Properties	
T_g (℃)	528
T_s (℃)	570
$T_{10^{14.5}}$ (℃)	501
$T_{10^{13}}$ (℃)	520
$T_{10^{7.6}}$ (℃)	612
$\alpha_{-30/+70℃}$ (10^{-7}/K)	63
$\alpha_{100/300℃}$ (10^{-7}/K)	82
λ [W/(m·K)]	1.040
C_P [kJ/(kg·K)]	0.742

機械的性質 Mechanical Properties	
H_K	760(7)
F_A	90
E (GPa)	105
G (GPa)	41.4
μ	0.267
σ_b (MPa)	102

屈折率の温度係数 (×10^{-6}/K) Thermal coefficient of refractive indices		
(℃)	dn/dT (rel.)	dn/dT (abs.)
-40/-20	4.8	2.6
-20/ 0	4.8	3.0
0/+20	4.9	3.3
+20/+40	5.0	3.6
+40/+60	5.1	3.8
+60/+80	5.2	4.1

光弾性定数 Photoelastic Constant	
B (10^{-12}/Pa)	2.29

比重 Specific Gravity	
d	3.02

内部透過率 Internal Transmittance		
λ (nm)	τ 5mm	τ 10mm
1550	0.998	0.996
1500	0.998	0.996
1400	0.998	0.996
1300	0.999	0.997
1200	0.998	0.997
1100	0.998	0.996
1060	0.998	0.996
1050	0.998	0.996
1000	0.998	0.995
950	0.998	0.995
900	0.998	0.995
850	0.998	0.996
830	0.998	0.996
800	0.998	0.997
780	0.998	0.996
750	0.999	0.998
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	0.997
420	0.998	0.995
400	0.997	0.993
390	0.995	0.990
380	0.992	0.984
370	0.986	0.971
360	0.972	0.945
350	0.949	0.900
340	0.910	0.828
330	0.848	0.719
320	0.751	0.564
310	0.622	0.386
300	0.499	0.249
290	0.369	0.136
280	0.230	0.053

着色度 Coloration Code	
λ80(λ70)/λ5	350/280

着色度(内部透過率) Coloration of Internal Transmittance	
λτ80/λτ5	337/280

備考 Remarks

硝種対照表　Glass Cross Reference Index

	HOYA	SCHOTT	OHARA	HIKARI	CDGM
Glass Type	M-BACD15				
Code	623-582				

作成　201104