ガラスレンズ用プレス品硝種　Glass Lens Pressed Blanks
ガラス研磨レンズ用硝種　Glass Polished Lens

BACD16

620-603

$n_d = 1.62041$　$\nu_d = 60.34$　$n_F - n_C = 0.010282$
$n_e = 1.62286$　$\nu_e = 60.10$　$n_{F'} - n_{C'} = 0.010363$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.60865
n_s	852.11	1.61165
$n_{A'}$	768.19	1.61366
n_r	706.52	1.61547
n_C	656.27	1.61727
$n_{C'}$	643.85	1.61777
n_{633}	632.80	1.61824
n_D	589.29	1.62032
n_d	587.56	1.62041
n_e	546.07	1.62286
n_F	486.13	1.62755
$n_{F'}$	479.99	1.62813
n_g	435.84	1.63310
n_h	404.66	1.63768
n_i	365.01	1.64550

分散式の定数 Constants of dispersion formula	
A_0	2.5859898
A_1	$-1.1940432 \times 10^{-2}$
A_2	1.3995502×10^{-2}
A_3	4.8974502×10^{-4}
A_4	$-3.9120717 \times 10^{-5}$
A_5	2.2611915×10^{-6}

部分分散 Partial dispersions	
$n_C - n_t$	0.008619
$n_d - n_C$	0.003140
$n_F - n_d$	0.007142
$n_g - n_F$	0.005545
$n_{C'} - n_t$	0.009120
$n_e - n_{C'}$	0.005093
$n_{F'} - n_e$	0.005270
$n_g - n_{F'}$	0.004963

部分分散比 Partial dispersion rates			
P_{C_t}	0.8383	$P'_{C'\_t}$	0.8801
P_{d_C}	0.3054	$P'_{d\_C'}$	0.2547
P_{e_d}	0.2387	P'_{e_d}	0.2368
P_{F_e}	0.4559	$P'_{F'\_e}$	0.5085
P_{g_F}	0.5393	$P'_{g\_F'}$	0.4789
P_{h_g}	0.4461	P'_{h_g}	0.4426
P_{i_h}	0.7603	P'_{i_h}	0.7543

異常分散性 Anomalous dispersions	
ΔP_{C_t}	0.0104
$\Delta P_{C\_A'}$	0.0010
ΔP_{g_d}	-0.0003
ΔP_{g_F}	-0.0003
ΔP_{i_g}	-0.0009

化学的性質 Chemical Properties	
D_W	3
D_A	5
T_{Blue}	†
D_{NaOH}	3
D_{STPP}	2
D_0	4
D_H	

熱的性質 Thermal Properties	
T_g (℃)	644
T_s (℃)	688
$T_{10^{14.5}}$ (℃)	618
$T_{10^{13}}$ (℃)	636
$T_{10^{7.6}}$ (℃)	735
$\alpha_{-30/+70℃}$ (10^{-7}/K)	60
$\alpha_{100/300℃}$ (10^{-7}/K)	71
λ [W/(m·K)]	0.807
C_P [kJ/(kg·K)]	0.528

機械的性質 Mechanical Properties	
H_K	575(6)
F_A	130
E (GPa)	88
G (GPa)	34.8
μ	0.269
σ_b (MPa)	

屈折率の温度係数 (×10^{-6}/K) Thermal coefficient of refractive indices		
(℃)	dn/dT (rel.)	dn/dT (abs.)
-40/-20	2.3	0.1
-20/ 0	2.3	0.4
0/+20	2.3	0.7
+20/+40	2.4	1.0
+40/+60	2.5	1.3
+60/+80	2.6	1.5

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

比重 Specific Gravity	
d	3.52

内部透過率 Internal Transmittance		
λ (nm)	τ 5mm	τ 10mm
1550	0.995	0.990
1500	0.995	0.990
1400	0.992	0.984
1300	0.999	0.999
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	0.997
460	0.998	0.996
440	0.998	0.995
420	0.996	0.993
400	0.994	0.989
390	0.990	0.979
380	0.982	0.965
370	0.969	0.939
360	0.943	0.890
350	0.896	0.803
340	0.823	0.677
330	0.709	0.503
320	0.553	0.306
310	0.377	0.142
300	0.218	0.048
290		
280		

着色度 Coloration Code	
λ80(λ70)/λ5	360/300

着色度(内部透過率) Coloration of Internal Transmittance	
λτ80/λτ5	350/300

備考 Remarks

硝種対照表 Glass Cross Reference Index

	HOYA	SCHOTT	OHARA	HIKARI	CDGM
Glass Type	BACD16	N-SK16	S-BSM16	E-SK16	H-ZK9A
Code	620-603	620-603	620-603	620-603	620-603

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