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

Ref

TAC2

741-526

$n_d = 1.74100$　$\nu_d = 52.60$　$n_F - n_C = 0.014087$
$n_e = 1.74436$　$\nu_e = 52.38$　$n_{F'} - n_{C'} = 0.014212$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.72533
n_s	852.11	1.72922
$n_{A'}$	768.19	1.73187
n_r	706.52	1.73430
n_C	656.27	1.73672
$n_{C'}$	643.85	1.73740
n_{633}	632.80	1.73804
n_D	589.29	1.74087
n_d	587.56	1.74100
n_e	546.07	1.74436
n_F	486.13	1.75081
$n_{F'}$	479.99	1.75161
n_g	435.84	1.75848
n_h	404.66	1.76485
n_i	365.01	1.77580

分散式の定数 Constants of dispersion formula	
A_0	2.9717137
A_1	$-1.4952593 \times 10^{-2}$
A_2	2.0162868×10^{-2}
A_3	9.4072283×10^{-4}
A_4	$-8.8614104 \times 10^{-5}$
A_5	5.3191242×10^{-6}

部分分散 Partial dispersions	
$n_C - n_t$	0.011392
$n_d - n_C$	0.004274
$n_F - n_d$	0.009813
$n_g - n_F$	0.007669
$n_{C'} - n_t$	0.012071
$n_e - n_{C'}$	0.006956
$n_{F'} - n_e$	0.007256
$n_g - n_{F'}$	0.006865

部分分散比 Partial dispersion rates			
P_{C_t}	0.8087	$P'_{C'\_t}$	0.8494
P_{d_C}	0.3034	$P'_{d\_C'}$	0.2530
P_{e_d}	0.2386	P'_{e_d}	0.2365
P_{F_e}	0.4580	$P'_{F'\_e}$	0.5106
P_{g_F}	0.5444	$P'_{g\_F'}$	0.4830
P_{h_g}	0.4523	P'_{h_g}	0.4484
P_{i_h}	0.7772	P'_{i_h}	0.7704

異常分散性 Anomalous dispersions	
ΔP_{C_t}	0.0170
$\Delta P_{C\_A'}$	0.0038
ΔP_{g_d}	-0.0109
ΔP_{g_F}	-0.0091
ΔP_{i_g}	-0.0462

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

熱的性質 Thermal Properties	
T_g (℃)	651
T_s (℃)	688
$T_{10^{14.5}}$ (℃)	623
$T_{10^{13}}$ (℃)	643
$T_{10^{7.6}}$ (℃)	718
$\alpha_{-30/+70℃}$ (10^{-7}/K)	52
$\alpha_{100/300℃}$ (10^{-7}/K)	71
λ [W/(m·K)]	0.842
C_P [kJ/(kg·K)]	0.525

機械的性質 Mechanical Properties	
H_K	715(7)
F_A	70
E (GPa)	117
G (GPa)	45.1
μ	0.299
σ_b (MPa)	

屈折率の温度係数 ($\times 10^{-6}$/K) Thermal coefficient of refractive indices		
(℃)	dn/dT (rel.)	dn/dT (abs.)
-40/-20	6.6	4.3
-20/ 0	6.7	4.7
0/+20	6.8	5.1
+20/+40	6.9	5.4
+40/+60	7.0	5.7
+60/+80	7.2	6.1

光弾性定数 Photoelastic Constant	
B (10^{-12}/Pa)	1.56

比重 Specific Gravity	
d	4.19

内部透過率 Internal Transmittance		
λ (nm)	τ 5mm	τ 10mm
1550	0.996	0.992
1500	0.996	0.993
1400	0.996	0.993
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	0.999
850	0.999	0.998
830	0.999	0.998
800	0.999	0.998
780	0.999	0.998
750	0.999	0.997
700	0.999	0.996
650	0.999	0.996
600	0.999	0.996
550	0.999	0.996
500	0.999	0.996
480	0.997	0.994
460	0.993	0.987
440	0.992	0.984
420	0.988	0.977
400	0.982	0.965
390	0.972	0.944
380	0.959	0.920
370	0.940	0.870
360	0.900	0.800
350	0.840	0.700
340	0.750	0.570
330	0.640	0.410
320	0.520	0.270
310	0.380	0.040
300	0.280	0.080
290	0.180	0.030
280	0.070	0.010

着色度 Coloration Code	
λ80(λ70)/λ5	370/290

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

備考 Remarks

硝種対照表 Glass Cross Reference Index

	HOYA	SCHOTT	OHARA	HIKARI	CDGM
Glass Type	TAC2		S-LAL61		
Code	741-526		741-527		

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