

E-F8

596-392

$n_d = 1.59551$ $\nu_d = 39.22$ $n_F - n_C = 0.015183$
 $n_e = 1.59911$ $\nu_e = 38.95$ $n_{F'} - n_{C'} = 0.015383$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.57979
n_s	852.11	1.58347
$n_{A'}$	768.19	1.58609
n_r	706.52	1.58854
n_c	656.27	1.59103
$n_{c'}$	643.85	1.59173
n_{633}	632.80	1.59239
n_D	589.29	1.59538
n_d	587.56	1.59551
n_e	546.07	1.59911
n_F	486.13	1.60621
$n_{F'}$	479.99	1.60712
n_g	435.84	1.61502
n_h	404.66	1.62269
n_i	365.01	1.63671

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	

内部透過率 Internal Transmittance		
λ (nm)	τ 5mm	τ 10mm
1550	0.999	0.997
1500	0.999	0.997
1400	0.997	0.995
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	0.998	0.996
600	0.999	0.998
550	0.999	0.998
500	0.997	0.994
480	0.996	0.992
460	0.995	0.991
440	0.994	0.988
420	0.992	0.984
400	0.982	0.965
390	0.966	0.934
380	0.922	0.851
370	0.800	0.641
360	0.506	0.256
350	0.123	0.015
340		
330		
320		
310		
300		
290		
280		

分散式の定数 Constants of dispersion formula	
A_0	2.4866561
A_1	$-1.0188484 \times 10^{-2}$
A_2	1.9287417×10^{-2}
A_3	8.8553737×10^{-4}
A_4	$-5.0937106 \times 10^{-5}$
A_5	6.4256956×10^{-6}

熱的性質 Thermal Properties	
T_g (°C)	574
T_s (°C)	625
$T_{10^{14.5}}$ (°C)	539
$T_{10^{13}}$ (°C)	564
$T_{10^{7.6}}$ (°C)	686
$\alpha_{-30/+70}$ ($10^{-7}/K$)	82
$\alpha_{100/300}$ ($10^{-7}/K$)	100
λ [W/(m·K)]	1.020
C_p [kJ/(kg·K)]	0.730

部分分散 Partial dispersions	
$n_c - n_t$	0.011239
$n_d - n_c$	0.004480
$n_F - n_d$	0.010703
$n_g - n_F$	0.008811
$n_{c'} - n_t$	0.011943
$n_e - n_{c'}$	0.007376
$n_{F'} - n_e$	0.008007
$n_g - n_{F'}$	0.007907

機械的性質 Mechanical Properties	
H_K	540 (5)
F_A	140
E (GPa)	
G (GPa)	
μ	
σ_b (MPa)	

部分分散比 Partial dispersion rates			
$P_{c,t}$	0.7402	$P'_{c,t}$	0.7764
$P_{d,c}$	0.2951	$P'_{d,c}$	0.2455
$P_{e,d}$	0.2371	$P'_{e,d}$	0.2340
$P_{F,e}$	0.4678	$P'_{F,e}$	0.5205
$P_{g,F}$	0.5803	$P'_{g,F}$	0.5140
$P_{h,g}$	0.5052	$P'_{h,g}$	0.4986
$P_{i,h}$	0.9229	$P'_{i,h}$	0.9109

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	2.1	-0.1
-20/ 0	2.2	0.3
0/+20	2.3	0.7
+20/+40	2.4	1.1
+40/+60	2.6	1.4
+60/+80	2.7	1.6

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

比重 Specific Gravity	
d	2.62

着色度 Coloration Code	
$\lambda 80 (\lambda 70) / \lambda 5$	385/355
着色度 (内部透過率) Coloration of Internal Transmittance	
$\lambda \tau 80 / \lambda \tau 5$	377/353

異常分散性 Anomalous dispersions	
$\Delta P_{c,t}$	0.0111
$\Delta P_{c,A'}$	0.0010
$\Delta P_{g,d}$	0.0029
$\Delta P_{g,F}$	0.0027
$\Delta P_{i,g}$	0.0339

備考 Remarks					
硝種対照表 Glass Cross Reference Index					
	HOYA	SCHOTT	OHARA	HIKARI	CDGM
Glass Type	E-F8		S-TIM8	E-F8	H-QF14
Code	596-392		596-392	596-392	596-392
作成 201104					