

E-F2

620-363

$n_d = 1.62004$ $\nu_d = 36.30$ $n_F - n_C = 0.017081$
 $n_e = 1.62408$ $\nu_e = 36.04$ $n_{F'} - n_{C'} = 0.017318$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.60259
n_s	852.11	1.60662
$n_{A'}$	768.19	1.60952
n_r	706.52	1.61224
n_c	656.27	1.61502
$n_{c'}$	643.85	1.61581
n_{633}	632.80	1.61655
n_D	589.29	1.61989
n_d	587.56	1.62004
n_e	546.07	1.62408
n_F	486.13	1.63210
$n_{F'}$	479.99	1.63313
n_g	435.84	1.64213
n_h	404.66	1.65095
n_i	365.01	1.66724

分散式の定数 Constants of dispersion formula	
A_0	2.5561822
A_1	$-1.0237038 \times 10^{-2}$
A_2	2.2470348×10^{-2}
A_3	8.4580679×10^{-4}
A_4	$-3.3087089 \times 10^{-5}$
A_5	7.1054919×10^{-6}

部分分散 Partial dispersions	
$n_c - n_t$	0.012435
$n_d - n_c$	0.005018
$n_F - n_d$	0.012063
$n_g - n_F$	0.010029
$n_{c'} - n_t$	0.013222
$n_e - n_{c'}$	0.008274
$n_{F'} - n_e$	0.009044
$n_g - n_{F'}$	0.009005

部分分散比 Partial dispersion rates			
$P_{c,t}$	0.7280	$P'_{c,t}$	0.7635
$P_{d,c}$	0.2938	$P'_{d,c}$	0.2443
$P_{e,d}$	0.2367	$P'_{e,d}$	0.2335
$P_{F,e}$	0.4695	$P'_{F,e}$	0.5222
$P_{g,F}$	0.5871	$P'_{g,F}$	0.5200
$P_{h,g}$	0.5160	$P'_{h,g}$	0.5089
$P_{i,h}$	0.9539	$P'_{i,h}$	0.9408

異常分散性 Anomalous dispersions	
$\Delta P_{c,t}$	0.0125
$\Delta P_{c,A'}$	0.0014
$\Delta P_{g,d}$	0.0043
$\Delta P_{g,F}$	0.0043
$\Delta P_{i,g}$	0.0498

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	

熱的性質 Thermal Properties	
T_g (°C)	579
T_s (°C)	624
$T_{10^{14.5}}$ (°C)	544
$T_{10^{13}}$ (°C)	569
$T_{10^{7.6}}$ (°C)	684
$\alpha_{-30/+70}$ ($10^{-7}/K$)	83
$\alpha_{100/300}$ ($10^{-7}/K$)	102
λ [W/(m·K)]	0.968
C_p [kJ/(kg·K)]	0.690

機械的性質 Mechanical Properties	
H_K	530 (5)
F_A	150
E (GPa)	
G (GPa)	
μ	
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	1.8	-0.4
-20/ 0	1.9	0.0
0/+20	2.0	0.4
+20/+40	2.1	0.7
+40/+60	2.2	1.0
+60/+80	2.3	1.2

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

比重 Specific Gravity	
d	2.67

備考 Remarks					
硝種対照表 Glass Cross Reference Index					
	HOYA	SCHOTT	OHARA	HIKARI	CDGM
Glass Type	E-F2	N-F2	S-TIM2	E-F2	H-F4
Code	620-363	620-364	620-363	620-363	620-364
作成 201104					

内部透過率 Internal Transmittance		
λ (nm)	τ 5mm	τ 10mm
1550	0.998	0.995
1500	0.998	0.995
1400	0.996	0.993
1300	0.999	0.999
1200	0.999	0.999
1100	0.999	0.999
1060	0.999	0.998
1050	0.999	0.998
1000	0.999	0.998
950	0.999	0.998
900	0.999	0.998
850	0.999	0.998
830	0.999	0.998
800	0.999	0.998
780	0.999	0.998
750	0.999	0.998
700	0.997	0.994
650	0.996	0.993
600	0.997	0.995
550	0.998	0.995
500	0.995	0.989
480	0.992	0.985
460	0.991	0.982
440	0.990	0.981
420	0.987	0.974
400	0.976	0.952
390	0.954	0.910
380	0.895	0.802
370	0.736	0.542
360	0.384	0.147
350		
340		
330		
320		
310		
300		
290		
280		
着色度 Coloration Code		
$\lambda 80 (\lambda 70) / \lambda 5$	390/355	
着色度 (内部透過率) Coloration of Internal Transmittance		
$\lambda \tau 80 / \lambda \tau 5$	380/357	