

E-FEL6

532-488

$n_d = 1.53172$ $\nu_d = 48.84$ $n_F - n_C = 0.010887$
 $n_e = 1.53431$ $\nu_e = 48.53$ $n_{F'} - n_{C'} = 0.011010$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.51995
n_s	852.11	1.52284
$n_{A'}$	768.19	1.52482
n_r	706.52	1.52664
n_c	656.27	1.52847
$n_{c'}$	643.85	1.52898
n_{633}	632.80	1.52946
n_D	589.29	1.53162
n_d	587.56	1.53172
n_e	546.07	1.53431
n_F	486.13	1.53935
$n_{F'}$	479.99	1.53999
n_g	435.84	1.54551
n_h	404.66	1.55077
n_i	365.01	1.56014

分散式の定数 Constants of dispersion formula	
A_0	2.3068946
A_1	$-9.6888755 \times 10^{-3}$
A_2	1.3097020×10^{-2}
A_3	6.5013927×10^{-4}
A_4	$-4.2328222 \times 10^{-5}$
A_5	3.5888777×10^{-6}

部分分散 Partial dispersions	
$n_c - n_t$	0.008516
$n_d - n_c$	0.003253
$n_F - n_d$	0.007634
$n_g - n_F$	0.006156
$n_{c'} - n_t$	0.009030
$n_e - n_{c'}$	0.005326
$n_{F'} - n_e$	0.005684
$n_g - n_{F'}$	0.005519

部分分散比 Partial dispersion rates			
$P_{c,t}$	0.7822	$P'_{c,t}$	0.8202
$P_{d,c}$	0.2988	$P'_{d,c}$	0.2488
$P_{e,d}$	0.2376	$P'_{e,d}$	0.2350
$P_{F,e}$	0.4636	$P'_{F,e}$	0.5163
$P_{g,F}$	0.5654	$P'_{g,F}$	0.5013
$P_{h,g}$	0.4831	$P'_{h,g}$	0.4777
$P_{i,h}$	0.8603	$P'_{i,h}$	0.8507

異常分散性 Anomalous dispersions	
$\Delta P_{c,t}$	0.0081
$\Delta P_{c,A'}$	-0.0008
$\Delta P_{g,d}$	0.0062
$\Delta P_{g,F}$	0.0051
$\Delta P_{i,g}$	0.0344

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

熱的性質 Thermal Properties	
T_g (°C)	521
T_s (°C)	592
$T_{10^{14.5}}$ (°C)	493
$T_{10^{13}}$ (°C)	512
$T_{10^{7.6}}$ (°C)	677
$\alpha_{-30/+70}$ ($10^{-7}/K$)	86
$\alpha_{100/300}$ ($10^{-7}/K$)	95
λ [W/(m·K)]	0.943
C_p [kJ/(kg·K)]	0.725

機械的性質 Mechanical Properties	
H_K	470 (5)
F_A	140
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	0.0	-2.1
-20/0	0.0	-1.7
0/+20	0.1	-1.4
+20/+40	0.2	-1.1
+40/+60	0.3	-0.9
+60/+80	0.4	-0.6

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

比重 Specific Gravity	
d	2.51

内部透過率 Internal Transmittance		
λ (nm)	τ 5mm	τ 10mm
1550	0.996	0.993
1500	0.997	0.995
1400	0.998	0.995
1300	0.999	0.998
1200	0.999	0.998
1100	0.999	0.999
1060	0.999	0.998
1050	0.999	0.998
1000	0.999	0.998
950	0.999	0.999
900	0.999	0.998
850	0.999	0.999
830	0.999	0.998
800	0.999	0.999
780	0.999	0.999
750	0.999	0.999
700	0.998	0.997
650	0.998	0.996
600	0.998	0.997
550	0.998	0.997
500	0.997	0.993
480	0.996	0.992
460	0.996	0.991
440	0.996	0.991
420	0.996	0.991
400	0.994	0.989
390	0.991	0.982
380	0.982	0.965
370	0.964	0.929
360	0.894	0.799
350	0.670	0.448
340	0.278	0.077
330		
320		
310		
300		
290		
280		

着色度 Coloration Code	
$\lambda 80 (\lambda 70) / \lambda 5$	365/340
着色度 (内部透過率) Coloration of Internal Transmittance	
$\lambda \tau 80 / \lambda \tau 5$	361/339

備考 Remarks					
硝種対照表 Glass Cross Reference Index					
	HOYA	SCHOTT	OHARA	HIKARI	CDGM
Glass Type	E-FEL6		S-TIL6	E-LLF6	H-QF6
Code	532-488		532-489	532-489	532-488
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