

E-CF6

517-522

$n_d = 1.51742$ $\nu_d = 52.15$ $n_F - n_C = 0.009922$
 $n_e = 1.51978$ $\nu_e = 51.85$ $n_{F'} - n_{C'} = 0.010025$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.50650
n_s	852.11	1.50921
$n_{A'}$	768.19	1.51106
n_r	706.52	1.51275
n_c	656.27	1.51444
$n_{c'}$	643.85	1.51491
n_{633}	632.80	1.51535
n_D	589.29	1.51733
n_d	587.56	1.51742
n_e	546.07	1.51978
n_F	486.13	1.52436
$n_{F'}$	479.99	1.52493
n_g	435.84	1.52990
n_h	404.66	1.53461
n_i	365.01	1.54293

分散式の定数 Constants of dispersion formula	
A_0	2.2668912
A_1	$-9.3866212 \times 10^{-3}$
A_2	1.2174195×10^{-2}
A_3	5.0769030×10^{-4}
A_4	$-3.3573414 \times 10^{-5}$
A_5	2.9059013×10^{-6}

部分分散 Partial dispersions	
$n_c - n_t$	0.007939
$n_d - n_c$	0.002984
$n_F - n_d$	0.006938
$n_g - n_F$	0.005545
$n_{c'} - n_t$	0.008412
$n_e - n_{c'}$	0.004871
$n_{F'} - n_e$	0.005154
$n_g - n_{F'}$	0.004969

部分分散比 Partial dispersion rates			
$P_{c,t}$	0.8001	$P'_{c,t}$	0.8391
$P_{d,c}$	0.3007	$P'_{d,c}$	0.2505
$P_{e,d}$	0.2379	$P'_{e,d}$	0.2354
$P_{F,e}$	0.4614	$P'_{F,e}$	0.5141
$P_{g,F}$	0.5589	$P'_{g,F}$	0.4957
$P_{h,g}$	0.4745	$P'_{h,g}$	0.4696
$P_{i,h}$	0.8388	$P'_{i,h}$	0.8302

異常分散性 Anomalous dispersions	
$\Delta P_{c,t}$	0.0106
$\Delta P_{c,A'}$	0.0001
$\Delta P_{g,d}$	0.0052
$\Delta P_{g,F}$	0.0045
$\Delta P_{i,g}$	0.0336

化学的性質 Chemical Properties	
D_W	2
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)	494
T_s (°C)	576
$T_{10^{14.5}}$ (°C)	471
$T_{10^{13}}$ (°C)	487
$T_{10^{7.6}}$ (°C)	681
$\alpha_{-30/+70}$ ($10^{-7}/K$)	82
$\alpha_{100/300}$ ($10^{-7}/K$)	92
λ [W/(m·K)]	0.970
C_p [kJ/(kg·K)]	0.715

機械的性質 Mechanical Properties	
H_K	495 (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	0.3	-1.7
-20/ 0	0.4	-1.3
0/+20	0.5	-1.0
+20/+40	0.6	-0.7
+40/+60	0.6	-0.5
+60/+80	0.6	-0.4

冷却速度による屈折率の変化 Difference of refractive indices by cooling rate	
β_c	
β_d	
β_F	
β_g	

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

その他の性質 Other Property	
比重 d	2.43

内部透過率 Internal Transmittance		
λ (nm)	τ 5mm	τ 10mm
1550	0.996	0.993
1500	0.997	0.995
1400	0.997	0.995
1300	0.998	0.996
1200	0.999	0.998
1100	0.999	0.998
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	0.999	0.998
650	0.998	0.997
600	0.998	0.997
550	0.998	0.996
500	0.997	0.993
480	0.996	0.992
460	0.995	0.991
440	0.994	0.989
420	0.992	0.984
400	0.989	0.977
390	0.984	0.968
380	0.974	0.948
370	0.952	0.907
360	0.890	0.780
350	0.690	0.480
340	0.330	0.010
330		
320		
310		
300		
290		
280		

着色度 Coloring	
$\lambda_{80}(\lambda_{70})/\lambda_5$	37/34
$\lambda_{\tau 0.8}$	

色度 (D ₆₅) Chromaticity coordinates	
x	
y	

備考 Remarks	
作成 201004	