

FD60

805-255

$n_d = 1.80518$ $\nu_d = 25.46$ $n_F - n_C = 0.031630$
 $n_e = 1.81263$ $\nu_e = 25.25$ $n_{F'} - n_{C'} = 0.032181$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.77495
n_s	852.11	1.78151
$n_{A'}$	768.19	1.78643
n_r	706.52	1.79118
n_c	656.27	1.79611
$n_{c'}$	643.85	1.79752
n_{633}	632.80	1.79885
n_D	589.29	1.80491
n_d	587.56	1.80518
n_e	546.07	1.81263
n_F	486.13	1.82774
$n_{F'}$	479.99	1.82970
n_g	435.84	1.84721
n_h	404.66	1.86480
n_i	365.01	

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	0.998	0.996
1400	0.999	0.998
1300	0.999	0.998
1200	0.999	0.998
1100	0.999	0.998
1060	0.999	0.997
1050	0.999	0.997
1000	0.999	0.997
950	0.999	0.997
900	0.999	0.998
850	0.999	0.998
830	0.999	0.999
800	0.999	0.998
780	0.999	0.997
750	0.998	0.995
700	0.997	0.993
650	0.995	0.990
600	0.996	0.993
550	0.996	0.991
500	0.989	0.979
480	0.986	0.972
460	0.983	0.965
440	0.978	0.957
420	0.969	0.939
400	0.943	0.889
390	0.898	0.806
380	0.774	0.599
370	0.483	0.234
360	0.117	0.014
350		
340		
330		
320		
310		
300		
290		
280		

分散式の定数 Constants of dispersion formula	
A_0	3.1171483
A_1	$-1.1616277 \times 10^{-2}$
A_2	4.4864975×10^{-2}
A_3	1.6588491×10^{-3}
A_4	2.5716854×10^{-5}
A_5	1.4757657×10^{-5}

熱的性質 Thermal Properties	
T_g (°C)	592
T_s (°C)	640
$T_{10^{14.5}}$ (°C)	563
$T_{10^{13}}$ (°C)	586
$T_{10^{7.6}}$ (°C)	676
$\alpha_{-30/+70}$ ($10^{-7}/K$)	93
$\alpha_{100/300}$ ($10^{-7}/K$)	109
λ [W/(m·K)]	1.100
C_p [kJ/(kg·K)]	0.636

部分分散 Partial dispersions	
$n_c - n_t$	0.021160
$n_d - n_c$	0.009072
$n_F - n_d$	0.022558
$n_g - n_F$	0.019471
$n_{c'} - n_t$	0.022569
$n_e - n_{c'}$	0.015113
$n_{F'} - n_e$	0.017068
$n_g - n_{F'}$	0.017511

機械的性質 Mechanical Properties	
H_K	550 (6)
F_A	180
E (GPa)	92
G (GPa)	36.1
μ	0.269
σ_b (MPa)	81

部分分散比 Partial dispersion rates			
$P_{c,t}$	0.6690	$P'_{c,t}$	0.7013
$P_{d,c}$	0.2868	$P'_{d,c}$	0.2381
$P_{e,d}$	0.2355	$P'_{e,d}$	0.2315
$P_{F,e}$	0.4776	$P'_{F,e}$	0.5304
$P_{g,F}$	0.6156	$P'_{g,F}$	0.5441
$P_{h,g}$	0.5561	$P'_{h,g}$	0.5466
$P_{i,h}$		$P'_{i,h}$	

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	-2.4
-20/0	0.1	-1.9
0/+20	0.3	-1.5
+20/+40	0.5	-1.1
+40/+60	0.6	-0.8
+60/+80	0.8	-0.5

光弾性定数 Photoelastic Constant	
B ($10^{-12}/Pa$)	2.64

比重 Specific Gravity	
d	3.36

着色度 Coloration Code	
$\lambda 80 (\lambda 70) / \lambda 5$	440/365
着色度 (内部透過率) Coloration of Internal Transmittance	
$\lambda \tau 80 / \lambda \tau 5$	390/363

異常分散性 Anomalous dispersions	
$\Delta P_{c,t}$	0.0041
$\Delta P_{c,A'}$	-0.0017
$\Delta P_{g,d}$	0.0150
$\Delta P_{g,F}$	0.0132
$\Delta P_{i,g}$	

備考 Remarks					
硝種対照表 Glass Cross Reference Index					
Glass Type	HOYA	SCHOTT	OHARA	HIKARI	CDGM
	FD60	N-SF6	S-TIH6	E-SF6	H-ZF7LA
Code	805-255	805-254	805-254	805-254	805-255

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