

FF8

752-251

$n_d = 1.75211$ $\nu_d = 25.05$ $n_F - n_C = 0.030028$
 $n_e = 1.75918$ $\nu_e = 24.84$ $n_{F'} - n_{C'} = 0.030561$

屈折率 Refractive Index		
	λ (nm)	
n_t	1013.98	1.72326
n_s	852.11	1.72969
$n_{A'}$	768.19	1.73437
n_r	706.52	1.73887
n_c	656.27	1.74352
$n_{c'}$	643.85	1.74485
n_{633}	632.80	1.74611
n_D	589.29	1.75185
n_d	587.56	1.75211
n_e	546.07	1.75918
n_F	486.13	1.77355
$n_{F'}$	479.99	1.77541
n_g	435.84	1.79214
n_h	404.66	1.80912
n_i	365.01	

分散式の定数 Constants of dispersion formula	
A_0	2.9564361
A_1	$-1.9762195 \times 10^{-2}$
A_2	2.9878823×10^{-2}
A_3	5.1830852×10^{-3}
A_4	$-5.4202389 \times 10^{-4}$
A_5	4.8463245×10^{-5}

部分分散 Partial dispersions	
$n_C - n_t$	0.020260
$n_d - n_C$	0.008589
$n_F - n_d$	0.021439
$n_g - n_F$	0.018590
$n_{C'} - n_t$	0.021593
$n_e - n_{C'}$	0.014328
$n_{F'} - n_e$	0.016233
$n_g - n_{F'}$	0.016724

部分分散比 Partial dispersion rates			
$P_{C,t}$	0.6747	$P'_{C,t}$	0.7066
$P_{d,C}$	0.2860	$P'_{d,C}$	0.2374
$P_{e,d}$	0.2355	$P'_{e,d}$	0.2314
$P_{F,e}$	0.4785	$P'_{F,e}$	0.5312
$P_{g,F}$	0.6191	$P'_{g,F}$	0.5472
$P_{h,g}$	0.5656	$P'_{h,g}$	0.5557
$P_{i,h}$		$P'_{i,h}$	

異常分散性 Anomalous dispersions	
$\Delta P_{C,t}$	0.0117
$\Delta P_{C,A'}$	-0.0026
$\Delta P_{g,d}$	0.0184
$\Delta P_{g,F}$	0.0159
$\Delta P_{i,g}$	

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)	569
T_s (°C)	650
$T_{10^{14.5}}$ (°C)	549
$T_{10^{13}}$ (°C)	561
$T_{10^{7.6}}$ (°C)	700
$\alpha_{-30/+70}$ ($10^{-7}/K$)	64
$\alpha_{100/300}$ ($10^{-7}/K$)	70
λ [W/(m·K)]	0.783
C_p [kJ/(kg·K)]	0.616

機械的性質 Mechanical Properties	
H_K	425 (4)
F_A	250
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	0.6	-1.7
-20/ 0	0.8	-1.3
0/+20	1.0	-0.8
+20/+40	1.2	-0.3
+40/+60	1.4	0.1
+60/+80	1.7	0.5

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

比重 Specific Gravity	
d	3.14

備考 Remarks					
硝種対照表 Glass Cross Reference Index					
	HOYA	SCHOTT	OHARA	HIKARI	CDGM
Glass Type	FF8				
Code	752-251				
作成 201104					

内部透過率 Internal Transmittance		
λ (nm)	τ 5mm	τ 10mm
1550	0.992	0.984
1500	0.991	0.982
1400	0.990	0.980
1300	0.998	0.996
1200	0.998	0.997
1100	0.998	0.996
1060	0.998	0.997
1050	0.998	0.996
1000	0.998	0.996
950	0.998	0.996
900	0.998	0.996
850	0.998	0.996
830	0.998	0.996
800	0.998	0.997
780	0.998	0.996
750	0.998	0.996
700	0.999	0.999
650	0.999	0.999
600	0.999	0.999
550	0.998	0.996
500	0.994	0.987
480	0.990	0.981
460	0.987	0.975
440	0.980	0.960
420	0.965	0.932
400	0.920	0.846
390	0.865	0.748
380	0.752	0.566
370	0.512	0.262
360	0.173	0.030
350		
340		
330		
320		
310		
300		
290		
280		
着色度 Coloration Code		
$\lambda 80 (\lambda 70) / \lambda 5$	425/360	
着色度 (内部透過率) Coloration of Internal Transmittance		
$\lambda \tau 80 / \lambda \tau 5$	394/361	