

H-ZLaF53B	834372	$n_d=1.83400$	$\nu_d=37.21$	$n_F - n_C=0.022413$
		$n_e=1.83930$	$\nu_e=36.98$	$n_{F'} - n_{C'}=0.022697$

Refractive Indices		
	λ (nm)	
n_t	1014.0	1.81118
n_r	706.5	1.82374
n_c	656.3	1.82739
$n_{c'}$	643.8	1.82843
n_{He-Ne}	632.8	1.82940
n_D	589.3	1.83380
n_d	587.6	1.83400
n_e	546.1	1.83930
n_F	486.1	1.84980
$n_{F'}$	480.0	1.85113
n_g	435.8	1.86276
n_h	404.7	1.87392
n_i	365.0	1.89397

Constants of Dispersion Formula	
A_0	3.2578065
A_1	$-1.2337784 \times 10^{-2}$
A_2	3.5517162×10^{-2}
A_3	7.0569023×10^{-4}
A_4	4.3498733×10^{-5}
A_5	1.9561361×10^{-6}

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{F,e}$	-0.0008
$\Delta P_{g,F}$	-0.0041

Temperature Coefficients of Refractive Index						
Rang of Temperature(°C)	$dn/dt \text{ rel}(10^{-6}/^\circ\text{C})$					
	t	C'	d	e	F'	g
-40~-20	8.1	9.2	9.4	9.8	10.5	12.0
-20~0	8.1	9.2	9.4	9.9	11.1	12.4
0~20	8.3	9.3	9.8	10.0	11.5	12.4
20~40	8.3	9.6	10.5	10.9	12.0	13.0
40~60	8.6	9.9	10.5	11.2	12.1	13.4
60~80	9.2	10.1	10.6	11.3	12.3	13.7

Relative Partial Dispersions			
$P_{d,c}$	0.2949	$P'_{d,c'}$	0.2454
$P_{e,d}$	0.2365	$P'_{e,d}$	0.2335
$P_{g,F}$	0.5782	$P'_{g,F'}$	0.5124

Chemical Properties	
	Grade
RC(S)	1
RA(S)	4
D_W	1
D_A	2

Thermal Properties	
T_g (°C)	569
T_s (°C)	604
$T_{10}^{14.5}$ (°C)	520
T_{10}^{13} (°C)	552
$T_{10}^{7.6}$ (°C)	661
$\alpha_{20/120^\circ\text{C}}(10^{-7}/\text{K})$	57
$\alpha_{100/300^\circ\text{C}}(10^{-7}/\text{K})$	72
λ (W/m·K)	

Mechanical Properties	
H_K (10^7 Pa)	613
F_A	93
E (10^7 Pa)	11043
G (10^7 Pa)	4204
μ	0.313
B (10^{-12} /Pa)	2.47

Other Properties	
ρ (g/cm ³)	4.54

Internal Transmittance		
λ (nm)	τ 5 mm	τ 10 mm
2400	0.899	0.808
2200	0.972	0.945
2000	0.988	0.977
1800	0.996	0.993
1600	0.999	0.998
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.999	0.998
900	0.999	0.998
850	0.999	0.998
800	0.997	0.995
700	0.996	0.993
650	0.996	0.993
600	0.997	0.994
550	0.997	0.994
500	0.996	0.992
480	0.994	0.989
460	0.992	0.985
440	0.988	0.977
420	0.984	0.969
400	0.970	0.940
390	0.954	0.911
380	0.926	0.857
370	0.865	0.748
360	0.735	0.540
350	0.454	0.206
340	0.447	0.200
330		
320		
310		
300		
290		
280		

Coloration Code	
λ_{80}/λ_5	41/34