H-ZLaF90	001254	n_d = 2.000690	υ_d = 25.43	$n_F - n_C$ = 0.039357
		n_e = 2.009964	υ_e = 25.22	$n_{F'} - n_{C'}$ = 0.040040

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.932093
$n_{1970.09}$	1970.09	1.939734
$n_{1529.58}$	1529.58	1.948854
$n_{1060.0}$	1060.0	1.961397
n_t	1013.98	1.963165
n_s	852.11	1.971278
n_r	706.52	1.983278
n_C	656.27	1.989403
$n_{C'}$	643.85	1.991156
n_{He-Ne}	632.8	1.992810
n_D	589.29	2.000350
n_d	587.56	2.000690
n_e	546.07	2.009964
n_F	486.13	2.028760
$n_{F'}$	479.99	2.031196
n_g	435.83	2.052931
n_h	404.66	2.074723
n_i	365.01	
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	4.94167183E-01
L_1	6.02358038E-02
K_2	2.31375143E+00
L_2	1.37149187E-02
K_3	2.27929870E+00
L_3	1.48088436E+02

折射率温度系数常数 Constants of dn/dt

D_0	-2.20E-06
D_1	1.40E-08
D_2	-1.91E-11
E_0	1.04E-06
E_1	1.38E-09
λ_{TK}(μm)	0.290

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2061	$P'_{s,t}$	0.2026
$P_{C,s}$	0.4605	$P'_{C',s}$	0.4965
$P_{d,C}$	0.2868	$P'_{d,C'}$	0.2381
$P_{e,d}$	0.2356	$P'_{e,d}$	0.2316
$P_{g,F}$	0.6141	$P'_{g,F'}$	0.5428
$P_{i,h}$		$P'_{i,h}$	

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0006	$\Delta P_{C,s}$	-0.0013
$\Delta P_{F,e}$	0.0019	$\Delta P_{g,F}$	0.0117

着色度 Color Code

λ_{80}/λ_5	
λ_{70}/λ_5	445/370

热性质 Thermal Properties

T_g (℃)	683
T_s (℃)	724
$T_{10}^{14.5}$ (℃)	634
T_{10}^{13} (℃)	668
$T_{10}^{7.6}$(℃)	785
$\alpha_{-30/70℃}$(10^{-7}/K)	70
$\alpha_{100/300℃}$(10^{-7}/K)	87
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	1
CR	1
RC(S)	1
RA(S)	1

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.943	0.889
2200	0.982	0.964
2000	0.993	0.985
1800	0.997	0.995
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	0.999	0.998
700	0.998	0.996
650	0.996	0.993
600	0.995	0.990
550	0.991	0.982
500	0.977	0.955
480	0.966	0.934
460	0.953	0.908
440	0.925	0.856
420	0.872	0.761
400	0.764	0.583
390	0.658	0.433
380	0.466	0.217
370	0.184	0.034
360		
350		
340		
330		
320		
310		
300		
290		
280		

折射率温度系数 Temperature Coefficients of Refractive Index

温度范围（℃） Range of Temperature	dn/dt relative(10^{-6}/℃)					
	t	C′	d	e	F′	g
-60～-40	0.5	1.7	1.9	2.8	4.4	6.0
-40～-20	0.7	2.1	2.3	2.9	4.8	6.4
-20～0	0.8	2.2	2.9	3.3	5.3	7.2
0～20	1.0	2.3	3.2	3.8	5.5	7.8
20～40	1.2	2.7	3.5	4.3	6.0	8.4
40～60	1.3	3.0	3.7	4.6	6.6	9.0
60～80	1.4	3.2	3.9	4.7	6.8	9.4
80～100	1.6	3.5	4.1	5.1	7.1	9.8
100～120	2.1	4.0	4.7	5.6	7.7	10.5
120～140	2.5	4.5	5.4	6.5	8.5	11.4

机械性质 Mechanical Properties

H_K (10^7Pa)	625
F_A	124
E (10^7Pa)	12348
G (10^7Pa)	4756
μ	0.298
B (10^{-12}/Pa)	

其他性质 Other Properties

ρ (g/cm^3)	4.74

备注 Remarks

CDGM