H-F1	603380	n_d = 1.603420	υ_d = 38.01	$n_F - n_C$ = 0.015875
		n_e = 1.607180	υ_e = 37.74	$n_{F'} - n_{C'}$ = 0.016089

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.567062
$n_{1970.09}$	1970.09	1.572775
$n_{1529.58}$	1529.58	1.579046
$n_{1060.0}$	1060.0	1.586167
n_t	1013.98	1.587050
n_s	852.11	1.590876
n_r	706.52	1.596151
n_C	656.27	1.598745
$n_{C'}$	643.85	1.599480
n_{He-Ne}	632.8	1.600170
n_D	589.29	1.603281
n_d	587.56	1.603420
n_e	546.07	1.607180
n_F	486.13	1.614620
$n_{F'}$	479.99	1.615569
n_g	435.83	1.623885
n_h	404.66	1.631970
n_i	365.01	1.646767
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.32375817E-01
L_1	5.45903225E-02
K_2	1.15564934E+00
L_2	1.16785740E+02
K_3	1.37547893E+00
L_3	1.01495335E-02

折射率温度系数常数 Constants of dn/dt

D_0	-3.94E-07
D_1	1.57E-08
D_2	-4.33E-11
E_0	7.95E-07
E_1	7.41E-10
λ_{TK}(μm)	0.247

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2410	$P'_{s,t}$	0.2378
$P_{C,s}$	0.4957	$P'_{C',s}$	0.5348
$P_{d,C}$	0.2945	$P'_{d,C'}$	0.2449
$P_{e,d}$	0.2369	$P'_{e,d}$	0.2337
$P_{g,F}$	0.5836	$P'_{g,F'}$	0.5169
$P_{i,h}$	0.9321	$P'_{i,h}$	0.9197

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0113	$\Delta P_{C,s}$	0.0041
$\Delta P_{F,e}$	-0.0002	$\Delta P_{g,F}$	0.0027

着色度 Color Code

λ_{80}/λ_5	385/355
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	592
T_s (℃)	640
$T_{10}^{14.5}$ (℃)	527
T_{10}^{13} (℃)	565
$T_{10}^{7.6}$(℃)	715
$\alpha_{-30/70℃}$(10^{-7}/K)	79
$\alpha_{100/300℃}$(10^{-7}/K)	98
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	2
D_A	1
CR	1
RC(S)	2
RA(S)	1

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.934	0.873
2200	0.944	0.892
2000	0.976	0.953
1800	0.987	0.975
1600	0.997	0.994
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.998	0.996
950	0.997	0.995
900	0.997	0.995
850	0.998	0.996
800	0.996	0.992
700	0.994	0.988
650	0.992	0.985
600	0.993	0.987
550	0.993	0.987
500	0.990	0.980
480	0.988	0.976
460	0.986	0.972
440	0.983	0.967
420	0.980	0.961
400	0.963	0.928
390	0.934	0.873
380	0.870	0.750
370	0.700	0.490
360	0.340	0.120
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	1.3	2.0	2.3	2.5	3.1	3.8
-40～-20	1.3	2.2	2.3	2.7	3.2	3.8
-20～0	1.4	2.2	2.4	2.7	3.2	4.1
0～20	1.8	2.2	2.5	2.7	3.5	4.5
20～40	1.8	2.5	2.9	3.0	3.9	4.6
40～60	1.8	2.7	2.9	3.3	4.0	4.6
60～80	1.8	2.7	2.9	3.4	4.1	4.9
80～100	2.0	2.7	2.9	3.4	4.1	5.1
100～120	2.0	2.7	3.2	3.4	4.3	5.3
120～140	2.1	2.8	3.3	3.6	4.4	5.4

机械性质 Mechanical Properties

H_K (10^7Pa)	438
F_A	103
E (10^7Pa)	7847
G (10^7Pa)	3197
μ	0.227
B (10^{-12}/Pa)	2.84

其他性质 Other Properties

ρ (g/cm^3)	2.63

备注 Remarks

CDGM