H-F5	624359	n_d = 1.624350	υ_d = 35.92	$n_F - n_C$ = 0.017380
		n_e = 1.628462	υ_e = 35.66	$n_{F'} - n_{C'}$ = 0.017626

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.586062
$n_{1970.09}$	1970.09	1.591856
$n_{1529.58}$	1529.58	1.598269
$n_{1060.0}$	1060.0	1.605708
n_t	1013.98	1.606645
n_s	852.11	1.610737
n_r	706.52	1.616436
n_C	656.27	1.619255
$n_{C'}$	643.85	1.620054
n_{He-Ne}	632.8	1.620805
n_D	589.29	1.624198
n_d	587.56	1.624350
n_e	546.07	1.628462
n_F	486.13	1.636635
$n_{F'}$	479.99	1.637680
n_g	435.83	1.646874
n_h	404.66	1.655875
n_i	365.01	1.672538
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.43541709E+00
L_1	1.08394789E-02
K_2	1.33104631E-01
L_2	5.81528460E-02
K_3	1.22151860E+00
L_3	1.20768299E+02

折射率温度系数常数 Constants of dn/dt

D_0	-7.35E-07
D_1	1.37E-08
D_2	-1.86E-11
E_0	7.71E-07
E_1	6.53E-10
λ_{TK}(μm)	0.265

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2354	$P'_{s,t}$	0.2322
$P_{C,s}$	0.4901	$P'_{C',s}$	0.5286
$P_{d,C}$	0.2932	$P'_{d,C'}$	0.2437
$P_{e,d}$	0.2366	$P'_{e,d}$	0.2333
$P_{g,F}$	0.5891	$P'_{g,F'}$	0.5216
$P_{i,h}$	0.9587	$P'_{i,h}$	0.9454

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0100	$\Delta P_{C,s}$	0.0034
$\Delta P_{F,e}$	0.0003	$\Delta P_{g,F}$	0.0046

着色度 Color Code

λ_{80}/λ_5	385/355
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	610
T_s (℃)	637
$T_{10}^{14.5}$ (℃)	535
T_{10}^{13} (℃)	575
$T_{10}^{7.6}$(℃)	722
$\alpha_{-30/70℃}$(10^{-7}/K)	78
$\alpha_{100/300℃}$(10^{-7}/K)	97
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	0.940	0.883
2200	0.949	0.901
2000	0.980	0.960
1800	0.989	0.977
1600	0.996	0.992
1400	0.996	0.992
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	0.999	0.998
650	0.999	0.997
600	0.998	0.996
550	0.997	0.995
500	0.997	0.994
480	0.996	0.993
460	0.996	0.992
440	0.995	0.990
420	0.994	0.988
400	0.985	0.970
390	0.969	0.938
380	0.920	0.846
370	0.770	0.593
360	0.390	0.152
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	1.4	2.1	2.4	2.6	3.3	4.0
-40～-20	1.4	2.2	2.5	2.7	3.4	4.2
-20～0	1.5	2.2	2.5	2.7	3.4	4.3
0～20	1.5	2.2	2.5	2.7	3.5	4.5
20～40	1.5	2.3	2.6	2.8	3.7	4.6
40～60	1.6	2.4	2.7	3.0	3.9	4.8
60～80	1.7	2.6	2.9	3.2	4.1	5.0
80～100	1.9	2.7	3.1	3.5	4.3	5.3
100～120	2.0	2.7	3.2	3.6	4.4	5.4
120～140	2.0	2.9	3.2	3.7	4.5	5.5

机械性质 Mechanical Properties

H_K (10^7Pa)	526
F_A	148
E (10^7Pa)	8057
G (10^7Pa)	3268
μ	0.233
B (10^{-12}/Pa)	

其他性质 Other Properties

ρ (g/cm^3)	2.69

备注 Remarks

CDGM