H-K7	515606	n_d = 1.514780	υ_d = 60.63	$n_F - n_C$ = 0.008490
		n_e = 1.516804	υ_e = 60.37	$n_{F'} - n_{C'}$ = 0.008560

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.489154
$n_{1970.09}$	1970.09	1.494082
$n_{1529.58}$	1529.58	1.499276
$n_{1060.0}$	1060.0	1.504549
n_t	1013.98	1.505141
n_s	852.11	1.507582
n_r	706.52	1.510715
n_C	656.27	1.512192
$n_{C'}$	643.85	1.512605
n_{He-Ne}	632.8	1.512990
n_D	589.29	1.514704
n_d	587.56	1.514780
n_e	546.07	1.516804
n_F	486.13	1.520682
$n_{F'}$	479.99	1.521165
n_g	435.83	1.525288
n_h	404.66	1.529110
n_i	365.01	1.535623
$n_{313.18}$	313.18	1.548879
$n_{302.15}$	302.15	1.552812

色散公式常数 Constants of Dispersion Formula

K_1	8.54802452E-01
L_1	1.03204260E+02
K_2	4.42226826E-01
L_2	1.79643059E-02
K_3	8.20484068E-01
L_3	4.33831623E-03

折射率温度系数常数 Constants of dn/dt

D_0	-3.57E-06
D_1	1.18E-08
D_2	-3.26E-11
E_0	4.60E-07
E_1	7.20E-10
λ_{TK}(μm)	0.213

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2875	$P'_{s,t}$	0.2852
$P_{C,s}$	0.5430	$P'_{C',s}$	0.5868
$P_{d,C}$	0.3048	$P'_{d,C'}$	0.2541
$P_{e,d}$	0.2384	$P'_{e,d}$	0.2364
$P_{g,F}$	0.5425	$P'_{g,F'}$	0.4817
$P_{i,h}$	0.7671	$P'_{i,h}$	0.7609

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0015	$\Delta P_{C,s}$	-0.0021
$\Delta P_{F,e}$	0.0002	$\Delta P_{g,F}$	0.0001

着色度 Color Code

λ_{80}/λ_5	320/290
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	535
T_s (℃)	613
$T_{10}^{14.5}$ (℃)	476
T_{10}^{13} (℃)	523
$T_{10}^{7.6}$(℃)	717
$\alpha_{-30/70℃}$(10^{-7}/K)	85
$\alpha_{100/300℃}$(10^{-7}/K)	100
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	1
CR	2
RC(S)	3
RA(S)	1

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.857	0.735
2200	0.896	0.803
2000	0.950	0.903
1800	0.978	0.957
1600	0.995	0.989
1400	0.995	0.991
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	0.998
600	0.998	0.996
550	0.998	0.997
500	0.998	0.996
480	0.998	0.996
460	0.998	0.996
440	0.998	0.996
420	0.998	0.996
400	0.998	0.997
390	0.998	0.996
380	0.996	0.993
370	0.996	0.993
360	0.995	0.990
350	0.992	0.984
340	0.985	0.970
330	0.973	0.947
320	0.938	0.879
310	0.849	0.721
300	0.655	0.429
290	0.358	0.128
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	0.0	0.3	0.5	0.6	0.8	1.0
-40～-20	0.0	0.3	0.5	0.6	0.8	1.1
-20～0	0.1	0.4	0.5	0.7	0.9	1.1
0～20	0.1	0.4	0.6	0.7	1.0	1.2
20～40	0.1	0.4	0.6	0.7	1.1	1.3
40～60	0.1	0.4	0.6	0.8	1.1	1.4
60～80	0.2	0.4	0.6	0.8	1.2	1.5
80～100	0.2	0.5	0.6	0.9	1.2	1.6
100～120	0.2	0.5	0.7	0.9	1.2	1.6
120～140	0.2	0.6	0.8	1.0	1.3	1.6

机械性质 Mechanical Properties

H_K (10^7Pa)	468
F_A	85
E (10^7Pa)	6794
G (10^7Pa)	2776
μ	0.224
B (10^{-12}/Pa)	2.90

其他性质 Other Properties

ρ (g/cm^3)	2.54

备注 Remarks

CDGM