H-K90GTi	519633	n_d = 1.519480	υ_d = 63.29	$n_F - n_C$ = 0.008208
		n_e = 1.521438	υ_e = 63.07	$n_{F'} - n_{C'}$ = 0.008267

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.492096
$n_{1970.09}$	1970.09	1.497707
$n_{1529.58}$	1529.58	1.503547
$n_{1060.0}$	1060.0	1.509262
n_t	1013.98	1.509881
n_s	852.11	1.512384
n_r	706.52	1.515508
n_C	656.27	1.516959
$n_{C'}$	643.85	1.517363
n_{He-Ne}	632.8	1.517739
n_D	589.29	1.519407
n_d	587.56	1.519480
n_e	546.07	1.521438
n_F	486.13	1.525167
$n_{F'}$	479.99	1.525630
n_g	435.83	1.529569
n_h	404.66	1.533205
n_i	365.01	1.539377
$n_{313.18}$	313.18	1.551871
$n_{302.15}$	302.15	1.555567

色散公式常数 Constants of Dispersion Formula

K_1	1.15678766E+00
L_1	7.00647800E-03
K_2	9.60974772E-01
L_2	1.00981876E+02
K_3	1.21868843E-01
L_3	2.49553890E-02

折射率温度系数常数 Constants of dn/dt

D_0	-7.71E-07
D_1	1.65E-08
D_2	-4.14E-11
E_0	4.54E-07
E_1	4.64E-10
λ_{TK}(μm)	0.177

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.3049	$P'_{s,t}$	0.3028
$P_{C,s}$	0.5574	$P'_{C',s}$	0.6023
$P_{d,C}$	0.3071	$P'_{d,C'}$	0.2561
$P_{e,d}$	0.2385	$P'_{e,d}$	0.2368
$P_{g,F}$	0.5363	$P'_{g,F'}$	0.4765
$P_{i,h}$	0.7519	$P'_{i,h}$	0.7466

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0178	$\Delta P_{C,s}$	0.0060
$\Delta P_{F,e}$	-0.0008	$\Delta P_{g,F}$	-0.0016

着色度 Color Code

λ_{80}/λ_5	310/285
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	574
T_s (℃)	635
$T_{10}^{14.5}$ (℃)	508
T_{10}^{13} (℃)	550
$T_{10}^{7.6}$(℃)	720
$\alpha_{-30/70℃}$(10^{-7}/K)	78
$\alpha_{100/300℃}$(10^{-7}/K)	94
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (10mm)	τ (25mm)
2400	0.777	0.532
2200	0.836	0.639
2000	0.931	0.837
1800	0.969	0.925
1600	0.991	0.977
1400	0.984	0.960
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.999	0.997
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	0.999	0.999
550	0.999	0.998
500	0.999	0.998
480	0.999	0.998
460	0.999	0.998
440	0.999	0.998
420	0.999	0.998
400	0.999	0.998
390	0.999	0.998
380	0.999	0.997
370	0.999	0.997
365	0.998	0.995
360	0.997	0.992
350	0.994	0.985
340	0.991	0.977
330	0.975	0.938
320	0.942	0.862
310	0.850	0.665
300	0.637	0.324
290	0.196	0.017
280		

机械性质 Mechanical Properties

H_K (10^7Pa)	544
F_A	98
E (10^7Pa)	8022
G (10^7Pa)	3304
μ	0.214
B (10^{-12}/Pa)	2.65

其他性质 Other Properties

ρ (g/cm^3)	2.52

备注 Remarks

i 线玻璃

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	1.0	1.4	1.5	1.5	1.8	2.0
-40～-20	1.1	1.4	1.5	1.6	1.8	2.0
-20～0	1.1	1.4	1.5	1.7	1.9	2.2
0～20	1.1	1.4	1.5	1.8	2.0	2.2
20～40	1.3	1.6	1.7	2.0	2.2	2.5
40～60	1.4	1.8	1.9	2.1	2.2	2.6
60～80	1.5	1.8	2.0	2.1	2.4	2.7
80～100	1.5	1.9	2.0	2.1	2.4	2.7
100～120	1.5	1.9	2.0	2.1	2.5	2.8
120～140	1.6	2.0	2.2	2.3	2.6	3.0

CDGM