H-K51	523586	n_d = 1.523070	υ_d = 58.64	$n_F - n_C$ = 0.008920
		n_e = 1.525196	υ_e = 58.37	$n_{F'} - n_{C'}$ = 0.008998

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.497135
$n_{1970.09}$	1970.09	1.501990
$n_{1529.58}$	1529.58	1.507145
$n_{1060.0}$	1060.0	1.512456
n_t	1013.98	1.513061
n_s	852.11	1.515569
n_r	706.52	1.518818
n_C	656.27	1.520360
$n_{C'}$	643.85	1.520791
n_{He-Ne}	632.8	1.521194
n_D	589.29	1.522991
n_d	587.56	1.523070
n_e	546.07	1.525196
n_F	486.13	1.529280
$n_{F'}$	479.99	1.529789
n_g	435.83	1.534143
n_h	404.66	1.538182
n_i	365.01	1.545066
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	9.60161808E-01
L_1	1.16242480E+02
K_2	1.18368963E+00
L_2	1.18029997E-02
K_3	1.02338243E-01
L_3	-1.89575777E-02

折射率温度系数常数 Constants of dn/dt

D_0	-7.23E-07
D_1	1.38E-08
D_2	-8.37E-11
E_0	5.74E-07
E_1	1.43E-09
λ_{TK}(μm)	0.169

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2812	$P'_{s,t}$	0.2787
$P_{C,s}$	0.5371	$P'_{C',s}$	0.5804
$P_{d,C}$	0.3038	$P'_{d,C'}$	0.2533
$P_{e,d}$	0.2383	$P'_{e,d}$	0.2363
$P_{g,F}$	0.5452	$P'_{g,F'}$	0.4839
$P_{i,h}$	0.7717	$P'_{i,h}$	0.7651

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0043	$\Delta P_{C,s}$	-0.0033
$\Delta P_{F,e}$	0.0002	$\Delta P_{g,F}$	-0.0007

着色度 Color Code

λ_{80}/λ_5	345/310
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	558
T_s (℃)	610
$T_{10}^{14.5}$ (℃)	504
T_{10}^{13} (℃)	547
$T_{10}^{7.6}$(℃)	735
$\alpha_{-30/70℃}$(10^{-7}/K)	80
$\alpha_{100/300℃}$(10^{-7}/K)	99
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.908	0.825
2200	0.924	0.853
2000	0.967	0.935
1800	0.985	0.971
1600	0.998	0.997
1400	0.998	0.997
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	0.998	0.997
800	0.998	0.996
700	0.998	0.996
650	0.997	0.995
600	0.997	0.996
550	0.997	0.996
500	0.997	0.996
480	0.997	0.995
460	0.997	0.995
440	0.997	0.994
420	0.997	0.994
400	0.997	0.994
390	0.994	0.989
380	0.990	0.981
370	0.986	0.972
360	0.973	0.947
350	0.946	0.895
340	0.880	0.780
330	0.750	0.560
320	0.470	0.220
310	0.140	0.020
300		
290		
280		

机械性质 Mechanical Properties

H_K (10^7Pa)	541
F_A	82
E (10^7Pa)	7411
G (10^7Pa)	3030
μ	0.223
B (10^{-12}/Pa)	2.60

其他性质 Other Properties

ρ (g/cm^3)	2.53

备注 Remarks

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						
-40～-20	0.9	1.0	1.3	1.8	1.8	2.1
-20～0	1.2	1.8	1.9	1.9	2.2	2.6
0～20	1.4	1.5	1.7	1.8	1.9	2.4
20～40	1.3	1.9	2.0	2.1	2.4	2.7
40～60	1.2	1.9	2.0	2.0	2.8	3.0
60～80	1.3	1.7	1.9	2.3	2.7	2.9
80～100						
100～120						
120～140						

CDGM