H-ZK5	611558	n_d = 1.611170	υ_d = 55.77	$n_F - n_C$ = 0.010958
		n_e = 1.613781	υ_e = 55.48	$n_{F'} - n_{C'}$ = 0.011063

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.582910
$n_{1970.09}$	1970.09	1.587696
$n_{1529.58}$	1529.58	1.592876
$n_{1060.0}$	1060.0	1.598542
n_t	1013.98	1.599222
n_s	852.11	1.602116
n_r	706.52	1.605992
n_C	656.27	1.607861
$n_{C'}$	643.85	1.608385
n_{He-Ne}	632.8	1.608876
n_D	589.29	1.611073
n_d	587.56	1.611170
n_e	546.07	1.613781
n_F	486.13	1.618819
$n_{F'}$	479.99	1.619448
n_g	435.83	1.624843
n_h	404.66	1.629865
n_i	365.01	1.638465
$n_{313.18}$	313.18	1.656102
$n_{302.15}$	302.15	1.661368

色散公式常数 Constants of Dispersion Formula

K_1	9.20219055E-01
L_1	1.09361864E+02
K_2	5.31425413E-01
L_2	1.98985689E-02
K_3	1.01909144E+00
L_3	5.25819605E-03

折射率温度系数常数 Constants of dn/dt

D_0	-3.46E-06
D_1	1.21E-08
D_2	1.31E-11
E_0	5.78E-07
E_1	6.03E-10
λ_{TK}(μm)	0.170

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2641	$P'_{s,t}$	0.2616
$P_{C,s}$	0.5243	$P'_{C',s}$	0.5667
$P_{d,C}$	0.3020	$P'_{d,C'}$	0.2517
$P_{e,d}$	0.2383	$P'_{e,d}$	0.2360
$P_{g,F}$	0.5497	$P'_{g,F'}$	0.4877
$P_{i,h}$	0.7848	$P'_{i,h}$	0.7774

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0207	$\Delta P_{C,s}$	-0.0093
$\Delta P_{F,e}$	0.0005	$\Delta P_{g,F}$	-0.0010

着色度 Color Code

λ_{80}/λ_5	340/290
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	578
T_s (℃)	622
$T_{10}^{14.5}$ (℃)	523
T_{10}^{13} (℃)	560
$T_{10}^{7.6}$(℃)	695
$\alpha_{-30/70℃}$(10^{-7}/K)	86
$\alpha_{100/300℃}$(10^{-7}/K)	99
λ[W/(m·K)]	

化学性质 Chemical Properties

	Grade
D_W	1
D_A	6
CR	1
RC(S)	1
RA(S)	3

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.911	0.829
2200	0.946	0.895
2000	0.978	0.956
1800	0.989	0.977
1600	0.996	0.993
1400	0.997	0.994
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	0.998	0.996
600	0.997	0.995
550	0.997	0.995
500	0.997	0.995
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	0.996	0.992
380	0.994	0.988
370	0.990	0.981
360	0.983	0.966
350	0.967	0.936
340	0.936	0.877
330	0.881	0.777
320	0.784	0.615
310	0.628	0.394
300	0.411	0.169
290	0.217	0.047
280		

机械性质 Mechanical Properties

H_K (10^7Pa)	521
F_A	169
E (10^7Pa)	7881
G (10^7Pa)	3103
μ	0.270
B (10^{-12}/Pa)	1.98

其他性质 Other Properties

ρ (g/cm^3)	3.58

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	-0.1	0.4	0.6	0.8	1.2	1.4
-20～0	0.1	0.6	0.7	0.8	1.4	1.6
0～20	0.1	0.6	0.6	0.9	1.2	1.4
20～40	0.1	0.5	0.7	1.0	1.1	1.4
40～60	0.3	0.6	0.8	1.0	1.2	2.1
60～80	0.4	0.9	1.1	1.2	1.8	2.2
80～100						
100～120						
120～140						

CDGM