H-ZK20	617539	n_d = 1.617200	υ_d = 53.91	$n_F - n_C$ = 0.011448
		n_e = 1.619927	υ_e = 53.61	$n_{F'} - n_{C'}$ = 0.011563

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.589244
$n_{1970.09}$	1970.09	1.593718
$n_{1529.58}$	1529.58	1.598643
$n_{1060.0}$	1060.0	1.604206
n_t	1013.98	1.604889
n_s	852.11	1.607828
n_r	706.52	1.611819
n_C	656.27	1.613756
$n_{C'}$	643.85	1.614301
n_{He-Ne}	632.8	1.614811
n_D	589.29	1.617099
n_d	587.56	1.617200
n_e	546.07	1.619927
n_F	486.13	1.625204
$n_{F'}$	479.99	1.625864
n_g	435.83	1.631535
n_h	404.66	1.636830
n_i	365.01	1.645921
$n_{313.18}$	313.18	1.664646
$n_{302.15}$	302.15	1.670254

色散公式常数 Constants of Dispersion Formula

K_1	8.12249368E-01
L_1	1.81753969E-02
K_2	7.55251214E-01
L_2	2.47827771E-03
K_3	1.15073913E+00
L_3	1.44030731E+02

折射率温度系数常数 Constants of dn/dt

D_0	3.38E-07
D_1	1.59E-08
D_2	-2.45E-11
E_0	6.40E-07
E_1	4.47E-10
λ_{TK}(μm)	0.192

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2567	$P'_{s,t}$	0.2542
$P_{C,s}$	0.5178	$P'_{C',s}$	0.5598
$P_{d,C}$	0.3008	$P'_{d,C'}$	0.2507
$P_{e,d}$	0.2382	$P'_{e,d}$	0.2358
$P_{g,F}$	0.5530	$P'_{g,F'}$	0.4904
$P_{i,h}$	0.7941	$P'_{i,h}$	0.7862

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	-0.0257	$\Delta P_{C,s}$	-0.0114
$\Delta P_{F,e}$	0.0007	$\Delta P_{g,F}$	-0.0009

着色度 Color Code

λ_{80}/λ_5	335/285
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	608
T_s (℃)	664
$T_{10}^{14.5}$ (℃)	553
T_{10}^{13} (℃)	594
$T_{10}^{7.6}$(℃)	754
$\alpha_{-30/70℃}$(10^{-7}/K)	78
$\alpha_{100/300℃}$(10^{-7}/K)	90
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.941	0.886
2200	0.960	0.921
2000	0.982	0.965
1800	0.991	0.981
1600	0.997	0.994
1400	0.998	0.995
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	0.997
550	0.998	0.997
500	0.998	0.997
480	0.998	0.996
460	0.997	0.995
440	0.997	0.995
420	0.997	0.994
400	0.997	0.994
390	0.997	0.994
380	0.996	0.991
370	0.993	0.986
360	0.988	0.976
350	0.977	0.955
340	0.952	0.906
330	0.903	0.815
320	0.816	0.667
310	0.680	0.462
300	0.514	0.264
290	0.445	0.198
280	0.173	0.030

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	2.0	2.3	2.6	2.7	3.1	3.5
-40～-20	1.9	2.3	2.6	2.7	3.2	3.6
-20～0	1.8	2.2	2.5	2.7	3.2	3.6
0～20	1.8	2.2	2.5	2.7	3.2	3.6
20～40	2.2	2.7	2.8	3.0	3.7	4.0
40～60	2.2	2.8	2.9	3.1	3.7	4.0
60～80	2.2	2.8	3.0	3.3	3.7	4.2
80～100	2.2	3.0	3.2	3.5	3.9	4.5
100～120	2.4	3.2	3.4	3.6	4.0	4.7
120～140	2.5	3.2	3.4	3.6	4.1	4.8

机械性质 Mechanical Properties

H_K (10^7Pa)	515
F_A	104
E (10^7Pa)	7694
G (10^7Pa)	3026
μ	0.271
B (10^{-12}/Pa)	

其他性质 Other Properties

ρ (g/cm^3)	3.66

备注 Remarks

CDGM