H-TF5	654395	n_d = 1.654100	υ_d = 39.54	$n_F - n_C$ = 0.016543
		n_e = 1.658025	υ_e = 39.30	$n_{F'} - n_{C'}$ = 0.016742

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.612564
$n_{1970.09}$	1970.09	1.619690
$n_{1529.58}$	1529.58	1.627320
$n_{1060.0}$	1060.0	1.635573
n_t	1013.98	1.636559
n_s	852.11	1.640764
n_r	706.52	1.646429
n_C	656.27	1.649182
$n_{C'}$	643.85	1.649958
n_{He-Ne}	632.8	1.650685
n_D	589.29	1.653955
n_d	587.56	1.654100
n_e	546.07	1.658025
n_F	486.13	1.665725
$n_{F'}$	479.99	1.666700
n_g	435.83	1.675196
n_h	404.66	1.683359
n_i	365.01	1.698056
$n_{313.18}$	313.18	1.732560
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.55856807E+00
L_1	1.10562787E-02
K_2	1.09731968E-01
L_2	5.44047450E-02
K_3	1.10774896E+00
L_3	8.83222356E+01

折射率温度系数常数 Constants of dn/dt

D_0	1.61E-06
D_1	1.46E-08
D_2	-3.13E-11
E_0	6.67E-07
E_1	7.58E-10
λ_{TK}(μm)	0.241

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2542	$P'_{s,t}$	0.2512
$P_{C,s}$	0.5089	$P'_{C',s}$	0.5492
$P_{d,C}$	0.2973	$P'_{d,C'}$	0.2474
$P_{e,d}$	0.2373	$P'_{e,d}$	0.2344
$P_{g,F}$	0.5725	$P'_{g,F'}$	0.5075
$P_{i,h}$	0.8884	$P'_{i,h}$	0.8779

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0305	$\Delta P_{C,s}$	0.0136
$\Delta P_{F,e}$	-0.0026	$\Delta P_{g,F}$	-0.0059

着色度 Color Code

λ_{80}/λ_5	380/330
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	539
T_s (℃)	590
$T_{10}^{14.5}$ (℃)	499
T_{10}^{13} (℃)	532
$T_{10}^{7.6}$(℃)	667
$\alpha_{-30/70℃}$(10^{-7}/K)	65
$\alpha_{100/300℃}$(10^{-7}/K)	84
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.816	0.666
2200	0.911	0.830
2000	0.976	0.952
1800	0.989	0.979
1600	0.994	0.988
1400	0.988	0.976
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	0.998	0.997
650	0.998	0.996
600	0.997	0.995
550	0.997	0.994
500	0.995	0.990
480	0.993	0.986
460	0.992	0.984
440	0.988	0.976
420	0.985	0.970
400	0.975	0.951
390	0.965	0.932
380	0.950	0.902
370	0.920	0.846
360	0.861	0.742
350	0.744	0.553
340	0.491	0.241
330	0.148	0.022
320		
310		
300		
290		
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	2.4	2.9	3.2	3.4	4.1	4.6
-40～-20	2.3	2.8	3.1	3.3	4.0	4.5
-20～0	2.6	3.3	3.4	3.6	4.3	4.9
0～20	2.7	3.4	3.5	3.9	4.4	5.1
20～40	2.7	3.4	3.7	4.0	4.5	5.3
40～60	2.9	3.6	3.9	4.1	4.9	5.6
60～80	2.9	3.6	3.9	4.2	4.9	5.7
80～100	3.0	3.7	4.1	4.3	5.1	5.9
100～120	3.1	3.9	4.2	4.6	5.3	6.1
120～140	3.3	4.0	4.3	4.8	5.4	6.3

机械性质 Mechanical Properties

H_K (10^7Pa)	548
F_A	113
E (10^7Pa)	8647
G (10^7Pa)	3462
μ	0.249
B (10^{-12}/Pa)	3.36

其他性质 Other Properties

ρ (g/cm^3)	3.01

备注 Remarks

CDGM