QF50GTi	581409	n_d = 1.581440	υ_d = 40.89	$n_F - n_C$ = 0.014221
		n_e = 1.584815	υ_e = 40.61	$n_{F'} - n_{C'}$ = 0.014400

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.549465
$n_{1970.09}$	1970.09	1.554326
$n_{1529.58}$	1529.58	1.559692
$n_{1060.0}$	1060.0	1.565921
n_t	1013.98	1.566706
n_s	852.11	1.570133
n_r	706.52	1.574888
n_C	656.27	1.577230
$n_{C'}$	643.85	1.577892
n_{He-Ne}	632.8	1.578514
n_D	589.29	1.581315
n_d	587.56	1.581440
n_e	546.07	1.584815
n_F	486.13	1.591451
$n_{F'}$	479.99	1.592292
n_g	435.83	1.599617
n_h	404.66	1.606642
n_i	365.01	1.619212
$n_{313.18}$	313.18	1.647936
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.31145759E+00
L_1	9.88576985E-03
K_2	8.40047425E-01
L_2	1.02880258E+02
K_3	1.32407269E-01
L_3	4.77527930E-02

折射率温度系数常数 Constants of dn/dt

D_0	-2.74E-06
D_1	1.64E-08
D_2	-5.12E-11
E_0	8.26E-07
E_1	4.87E-10
λ_{TK}(μm)	0.234

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2410	$P'_{s,t}$	0.2380
$P_{C,s}$	0.4991	$P'_{C',s}$	0.5388
$P_{d,C}$	0.2960	$P'_{d,C'}$	0.2464
$P_{e,d}$	0.2373	$P'_{e,d}$	0.2344
$P_{g,F}$	0.5742	$P'_{g,F'}$	0.5087
$P_{i,h}$	0.8839	$P'_{i,h}$	0.8729

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0011	$\Delta P_{C,s}$	0.0007
$\Delta P_{F,e}$	-0.0006	$\Delta P_{g,F}$	-0.0018

着色度 Color Code

λ_{80}/λ_5	335/310
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	422
T_s (℃)	480
$T_{10}^{14.5}$ (℃)	366
T_{10}^{13} (℃)	406
$T_{10}^{7.6}$(℃)	584
$\alpha_{-30/70℃}$(10^{-7}/K)	90
$\alpha_{100/300℃}$(10^{-7}/K)	111
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (10mm)	τ (25mm)
2400	0.785	0.546
2200	0.847	0.660
2000	0.921	0.814
1800	0.966	0.917
1600	0.992	0.981
1400	0.997	0.992
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	0.999	0.998
550	0.999	0.998
500	0.999	0.998
480	0.999	0.998
460	0.999	0.998
440	0.998	0.995
420	0.998	0.995
400	0.998	0.995
390	0.998	0.995
380	0.997	0.993
370	0.997	0.993
365	0.996	0.990
360	0.994	0.985
350	0.986	0.965
340	0.961	0.905
330	0.850	0.666
320	0.492	0.170
310	0.045	
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	0.1	0.8	1.0	1.3	2.0	2.6
-40～-20	0.2	0.9	1.1	1.4	2.1	2.7
-20～0	0.3	1.1	1.3	1.6	2.1	2.8
0～20	0.6	1.2	1.5	1.8	2.3	3.0
20～40	0.7	1.3	1.6	1.9	2.4	3.1
40～60	0.8	1.4	1.7	2.0	2.7	3.5
60～80	0.8	1.6	1.8	2.1	2.9	3.6
80～100	0.8	1.6	1.8	2.1	2.9	3.6
100～120	0.8	1.6	1.8	2.1	2.9	3.6
120～140	0.8	1.6	1.9	2.1	3.0	3.7

机械性质 Mechanical Properties

H_K (10^7Pa)	407
F_A	89
E (10^7Pa)	5980
G (10^7Pa)	2444
μ	0.224
B (10^{-12}/Pa)	2.77

其他性质 Other Properties

ρ (g/cm^3)	3.23

备注 Remarks

i线玻璃

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