H-QF50A	581408	n_d = 1.581440	υ_d = 40.75	$n_F - n_C$ = 0.014270
		n_e = 1.584823	υ_e = 40.47	$n_{F'} - n_{C'}$ = 0.014452

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.547565
$n_{1970.09}$	1970.09	1.553052
$n_{1529.58}$	1529.58	1.559037
$n_{1060.0}$	1060.0	1.565721
n_t	1013.98	1.566538
n_s	852.11	1.570058
n_r	706.52	1.574866
n_C	656.27	1.577218
$n_{C'}$	643.85	1.577883
n_{He-Ne}	632.8	1.578507
n_D	589.29	1.581315
n_d	587.56	1.581440
n_e	546.07	1.584823
n_F	486.13	1.591488
$n_{F'}$	479.99	1.592335
n_g	435.83	1.599732
n_h	404.66	1.606877
n_i	365.01	1.619825
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.13568363E-01
L_1	5.29496322E-02
K_2	1.07619407E+00
L_2	1.14277366E+02
K_3	1.33131033E+00
L_3	9.76687365E-03

折射率温度系数常数 Constants of dn/dt

D_0	-1.15E-06
D_1	1.62E-08
D_2	-5.36E-11
E_0	7.72E-07
E_1	8.65E-10
λ_{TK}(μm)	0.235

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2467	$P'_{s,t}$	0.2436
$P_{C,s}$	0.5018	$P'_{C',s}$	0.5414
$P_{d,C}$	0.2959	$P'_{d,C'}$	0.2461
$P_{e,d}$	0.2371	$P'_{e,d}$	0.2341
$P_{g,F}$	0.5777	$P'_{g,F'}$	0.5118
$P_{i,h}$	0.9074	$P'_{i,h}$	0.8959

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0102	$\Delta P_{C,s}$	0.0037
$\Delta P_{F,e}$	-0.0003	$\Delta P_{g,F}$	0.0014

着色度 Color Code

λ_{80}/λ_5	380/350
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	545
T_s (℃)	595
$T_{10}^{14.5}$ (℃)	494
T_{10}^{13} (℃)	530
$T_{10}^{7.6}$(℃)	681
$\alpha_{-30/70℃}$(10^{-7}/K)	85
$\alpha_{100/300℃}$(10^{-7}/K)	104
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	0.910	0.828
2200	0.928	0.861
2000	0.968	0.937
1800	0.984	0.969
1600	0.995	0.991
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	0.998	0.997
700	0.998	0.997
650	0.998	0.997
600	0.998	0.997
550	0.998	0.997
500	0.998	0.996
480	0.997	0.994
460	0.996	0.993
440	0.995	0.990
420	0.993	0.986
400	0.983	0.966
390	0.968	0.937
380	0.933	0.870
370	0.844	0.713
360	0.615	0.378
350	0.202	0.041
340		
330		
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						
-40～-20	1.0	1.6	1.8	2.1	2.6	3.2
-20～0	1.1	1.7	2.0	2.2	2.7	3.4
0～20	1.1	1.9	2.1	2.4	2.9	3.5
20～40	1.3	2.1	2.3	2.5	3.2	3.9
40～60	1.4	2.2	2.4	2.6	3.3	4.1
60～80	1.5	2.2	2.5	2.7	3.4	4.2
80～100						
100～120						
120～140						

机械性质 Mechanical Properties

H_K (10^7Pa)	492
F_A	108
E (10^7Pa)	7661
G (10^7Pa)	3121
μ	0.227
B (10^{-12}/Pa)	2.72

其他性质 Other Properties

ρ (g/cm^3)	2.61

备注 Remarks

CDGM