H-QF8	541472	n_d = 1.540720	υ_d = 47.23	$n_F - n_C$ = 0.011449
		n_e = 1.543440	υ_e = 46.94	$n_{F'} - n_{C'}$ = 0.011578

折射率 Refractive Index

	λ（nm）	
$n_{2325.42}$	2325.42	1.511481
$n_{1970.09}$	1970.09	1.516500
$n_{1529.58}$	1529.58	1.521908
$n_{1060.0}$	1060.0	1.527758
n_t	1013.98	1.528455
n_s	852.11	1.531414
n_r	706.52	1.535380
n_C	656.27	1.537300
$n_{C'}$	643.85	1.537841
n_{He-Ne}	632.8	1.538347
n_D	589.29	1.540619
n_d	587.56	1.540720
n_e	546.07	1.543440
n_F	486.13	1.548749
$n_{F'}$	479.99	1.549419
n_g	435.83	1.555223
n_h	404.66	1.560745
n_i	365.01	1.570512
$n_{313.18}$	313.18	
$n_{302.15}$	302.15	

色散公式常数 Constants of Dispersion Formula

K_1	1.27874264E-01
L_1	4.24546034E-02
K_2	1.20201357E+00
L_2	8.11385854E-03
K_3	9.29469360E-01
L_3	1.09832978E+02

折射率温度系数常数 Constants of dn/dt

D_0	-2.28E-06
D_1	1.48E-08
D_2	-8.66E-11
E_0	5.08E-07
E_1	1.15E-10
λ_{TK}(μm)	0.282

相对部分色散 Relative Partial Dispersions

$P_{s,t}$	0.2585	$P'_{s,t}$	0.2556
$P_{C,s}$	0.5141	$P'_{C',s}$	0.5551
$P_{d,C}$	0.2987	$P'_{d,C'}$	0.2487
$P_{e,d}$	0.2376	$P'_{e,d}$	0.2349
$P_{g,F}$	0.5655	$P'_{g,F'}$	0.5013
$P_{i,h}$	0.8531	$P'_{i,h}$	0.8436

异常色散 Abnormal Dispersions

$\Delta P_{C,t}$	0.0038	$\Delta P_{C,s}$	0.0007
$\Delta P_{F,e}$	-0.0001	$\Delta P_{g,F}$	0.0002

着色度 Color Code

λ_{80}/λ_5	370/340
λ_{70}/λ_5	

热性质 Thermal Properties

T_g (℃)	460
T_s (℃)	531
$T_{10}^{14.5}$ (℃)	415
T_{10}^{13} (℃)	459
$T_{10}^{7.6}$(℃)	633
$\alpha_{-30/70℃}$(10^{-7}/K)	96
$\alpha_{100/300℃}$(10^{-7}/K)	113
λ[W/(m·K)]	

化学性质 Chemical Properties

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

内部透过率 Internal Transmittance τ

λ（nm）	τ (5mm)	τ (10mm)
2400	0.880	0.780
2200	0.918	0.842
2000	0.959	0.920
1800	0.983	0.967
1600	0.998	0.996
1400	0.999	0.998
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	0.998	0.996
550	0.998	0.996
500	0.997	0.994
480	0.996	0.992
460	0.995	0.991
440	0.995	0.990
420	0.993	0.987
400	0.987	0.974
390	0.977	0.954
380	0.954	0.911
370	0.907	0.823
360	0.790	0.620
350	0.530	0.280
340	0.140	0.020
330		
320		
310		
300		
290		
280		

机械性质 Mechanical Properties

H_K (10^7Pa)	487
F_A	84
E (10^7Pa)	6950
G (10^7Pa)	2829
μ	0.228
B (10^{-12}/Pa)	2.61

其他性质 Other Properties

ρ (g/cm^3)	2.54

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	0.2	0.7	0.9	1.2	1.7	1.8
-20～0	0.3	1.0	1.2	1.5	2.0	2.4
0～20	0.7	1.0	1.2	1.3	1.9	2.4
20～40	0.7	0.9	1.2	1.5	1.9	2.5
40～60	0.8	1.0	1.3	1.4	1.9	2.7
60～80	0.7	1.0	1.4	1.5	2.0	2.7
80～100						
100～120						
120～140						

CDGM