

H-K9L			517642				n _d = 1.516800		v _d = 64.20		n _F - n _C = 0.008050	
							n _e = 1.518721		v _e = 63.98		n _{F'} - n _{C'} = 0.008107	
折射率 Refractive Index			相对部分色散 Relative Partial Dispersions				内部透射率 Internal Transmittance T					
	λ (nm)		P _{s,t}	0.3071	P' _{s,t}	0.3049	λ (nm)	τ (5mm)	τ (10mm)			
n _{2325.42}	2325.42	1.489640	P _{C,s}	0.5588	P' _{C',s}	0.6038	2400	0.842	0.709			
n _{1970.09}	1970.09	1.495235	P _{d,C}	0.3073	P' _{d,C'}	0.2562	2200	0.882	0.778			
n _{1529.58}	1529.58	1.501060	P _{e,d}	0.2386	P' _{e,d}	0.2370	2000	0.951	0.904			
n _{1060.0}	1060.0	1.506743	P _{g,F}	0.5359	P' _{g,F'}	0.4761	1800	0.978	0.957			
n _t	1013.98	1.507356	P _{i,h}	0.7499	P' _{i,h}	0.7447	1600	0.993	0.987			
n _s	852.11	1.509828	异常色散 Abnormal Dispersions				1400	0.988	0.975			
n _r	706.52	1.512901					ΔP _{C,t}	0.0171	ΔP _{C,s}	0.0052	1200	0.999
n _C	656.27	1.514326	ΔP _{F,e}	-0.0006	ΔP _{g,F}	-0.0005	1060	0.999	0.998			
n _{C'}	643.85	1.514723	着色度 Color Code				1000	0.999	0.998			
n _{He-Ne}	632.8	1.515092					λ ₈₀ /λ ₅	315/275			950	0.999
n _D	589.29	1.516728	λ ₇₀ /λ ₅				900	0.999	0.998			
n _d	587.56	1.516800	热性质 Thermal Properties				850	0.999	0.998			
n _e	546.07	1.518721					T _g (°C)	560			800	0.999
n _F	486.13	1.522376	T _s (°C)	620			700	0.998	0.997			
n _{F'}	479.99	1.522830	T ₁₀ ^{14.5} (°C)	511			650	0.998	0.997			
n _g	435.83	1.526690	T ₁₀ ¹³ (°C)	547			600	0.998	0.997			
n _h	404.66	1.530251	T ₁₀ ^{7.6} (°C)	714			550	0.998	0.997			
n _i	365.01	1.536288	α _{30/70°C} (10 ⁻⁷ /K)	76			500	0.998	0.997			
n _{313.18}	313.18	1.548455	α _{100/300°C} (10 ⁻⁷ /K)	95			480	0.998	0.997			
n _{302.15}	302.15	1.552035	λ[W/(m·K)]				460	0.998	0.997			
色散公式常数 Constants of Dispersion Formula			化学性质 Chemical Properties				440	0.998	0.997			
							Grade			420	0.998	0.997
K ₁	6.14555251E-01		Grade				400	0.998	0.997			
L ₁	1.45987884E-02						D _w	3		390	0.998	0.996
K ₂	6.56775017E-01		D _A	1		380	0.997	0.995				
L ₂	2.87769588E-03		CR	2		370	0.997	0.995				
K ₃	1.02699346E+00		RC(S)	1		360	0.996	0.992				
L ₃	1.07653051E+02		RA(S)	1		350	0.991	0.982				
折射率温度系数常数 Constants of dn/dt			Grade				340	0.987	0.974			
							D _w	3		330	0.975	0.951
D ₀	-1.04E-06		Grade				320	0.946	0.894			
D ₁	1.48E-08						D _A	1		310	0.881	0.776
D ₂	-5.17E-11		CR	2		300	0.746	0.557				
E ₀	3.85E-07		RC(S)	1		290	0.524	0.275				
E ₁	4.55E-10		RA(S)	1		280						
λ _{TK} (μm)	0.211		机械性质 Mechanical Properties									
折射率温度系数 Temperature Coefficients of Refractive Index							Grade				H _k (10 ⁷ Pa)	595
温度范围 (°C)			Grade								F _A	100
Range of Temperature							Grade				E (10 ⁷ Pa)	7920
t			Grade								G (10 ⁷ Pa)	3270
C'							Grade				μ	0.211
d			Grade								B (10 ⁻¹² /Pa)	2.70
e							Grade				其他性质 Other Properties	
F'			Grade									
g							Grade				备注 Remarks	
-60~-40	0.9	1.1	Grade									
-40~-20	0.9	1.2					Grade				备注 Remarks	
-20~0	1.0	1.3	Grade									
0~20	1.0	1.4					Grade				备注 Remarks	
20~40	1.2	1.5	Grade									
40~60	1.3	1.6					Grade				备注 Remarks	
60~80	1.3	1.6	Grade									
80~100	1.1	1.4					Grade				备注 Remarks	
100~120	1.1	1.4	Grade									
120~140	1.1	1.6					Grade				备注 Remarks	

N-SK2
607567.355

$n_d = 1.60738$	$v_d = 56.65$	$n_F - n_C = 0.010722$
$n_e = 1.60994$	$v_e = 56.37$	$n_F' - n_C' = 0.010821$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.57881
$n_{1970.1}$	1970.1	1.58378
$n_{1529.6}$	1529.6	1.58914
$n_{1060.0}$	1060.0	1.59490
n_t	1014.0	1.59558
n_s	852.1	1.59847
n_f	706.5	1.60230
n_C	656.3	1.60414
$n_{C'}$	643.8	1.60465
$n_{632.8}$	632.8	1.60513
n_D	589.3	1.60729
n_d	587.6	1.60738
n_e	546.1	1.60994
n_F	486.1	1.61486
$n_{F'}$	480.0	1.61547
n_g	435.8	1.62073
n_h	404.7	1.62562
n_i	365.0	1.63398
$n_{334.1}$	334.1	1.64304
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Constants of Dispersion Formula	
B_1	1.28189012
B_2	0.257738258
B_3	0.968186040
C_1	0.00727191640
C_2	0.0242823527
C_3	110.3777730

Constants of Formula for dn/dT	
D_0	3.80E-06
D_1	1.41E-08
D_2	2.28E-11
E_0	6.44E-07
E_1	8.03E-11
λ_{TK} [μm]	0.108

Temperature Coefficients of the Refractive Index						
[°C]	$\Delta n_{rel}/\Delta T$ [$10^{-6}/K$]			$\Delta n_{abs}/\Delta T$ [$10^{-6}/K$]		
	1060.0	e	g	1060.0	e	g
-40/-20	3.7	4.6	5.3	1.5	2.4	3.1
+20/+40	3.6	4.5	5.3	2.3	3.1	3.9
+60/+80	4.0	4.9	5.7	2.9	3.8	4.5

Internal Transmittance τ_i		
λ [nm]	τ_i [10mm]	τ_i [25mm]
2500	0.820	0.600
2325	0.900	0.760
1970	0.971	0.930
1530	0.995	0.988
1060	0.998	0.995
700	0.998	0.995
660	0.998	0.994
620	0.998	0.994
580	0.998	0.995
546	0.998	0.995
500	0.996	0.990
460	0.993	0.983
436	0.993	0.982
420	0.994	0.984
405	0.994	0.985
400	0.994	0.984
390	0.992	0.979
380	0.988	0.970
370	0.976	0.940
365	0.967	0.920
350	0.910	0.780
334	0.750	0.490
320	0.500	0.180
310	0.280	0.040
300	0.100	
290	0.020	
280		
270		
260		
250		

Color Code	
λ_{80} / λ_5	33/28

Remarks
step 0.5 available

Relative Partial Dispersion	
$P_{s,t}$	0.2690
$P_{C,s}$	0.5285
$P_{d,C}$	0.3027
$P_{e,d}$	0.2384
$P_{g,F}$	0.5477
$P_{i,h}$	0.7802
$P'_{s,t}$	0.2666
$P'_{C,s}$	0.5713
$P'_{d,C'}$	0.2523
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4860
$P'_{i,h}$	0.7730

Deviation of Relative Partial Dispersion ΔP from the normal line	
$\Delta P_{C,t}$	-0.0162
$\Delta P_{C,s}$	-0.0064
$\Delta P_{F,e}$	0.0003
$\Delta P_{g,F}$	-0.0008
$\Delta P_{i,g}$	-0.0130

Other Properties	
$\alpha_{-30/+70^\circ\text{C}}$ [$10^{-6}/K$]	6.0
$\alpha_{+20/+300^\circ\text{C}}$ [$10^{-6}/K$]	7.1
T_g [°C]	659
T_{10}^{13} [°C]	659
$T_{10}^{7.6}$ [°C]	823
c_p [J/(g·K)]	0.595
λ [W/(m·K)]	0.776
ρ [g/cm ³]	3.55
E [10^3 N/mm ²]	78
μ	0.263
K [10^{-6} mm ² /N]	2.31
$HK_{0.1/20}$	550
HG	2
CR	2
FR	0
SR	2.2
AR	1
PR	2.3