

D-ZK3L-M90		588610	n _d = 1.58831		v _d = 61.02		n _F − n _C = 0.009640				
			n _e = 1.59061		v _e = 60.81		n _{F'} − n _{C'} = 0.009710				
Refractive Indices			Relative Partial Dispersion		Chemical Properties (grade)		Internal Transmittance				
	λ (nm)	n _λ					λ (nm)	τ5mm	τ10mm		
n ₂₃₂₅	2325.42						2400	0.884	0.781		
n ₁₉₇₀	1970.09						2200	0.955	0.911		
n ₁₅₃₀	1529.58						2000	0.987	0.974		
n ₁₁₂₉	1128.64	1.57541					1800	0.993	0.986		
n ₁₀₆₄	1064.00	1.57635	1600	0.997	0.995						
n _t	1013.98	1.57712	1400	0.999	0.998						
n _s	852.11	1.58001	1200	0.999	0.998						
n _{A'}	768.19	1.58193	1060	0.999	0.998						
n _r	706.52	1.58365	1000	0.999	0.998						
n _C	656.27	1.58535	950	0.999	0.998						
n _{C'}	643.85	1.58582	900	0.999	0.998						
n _{He-Ne}	632.80	1.58627	850	0.999	0.998						
n _D	589.29	1.58823	800	0.999	0.998						
n _d	587.56	1.58831	750	0.999	0.998						
n _e	546.07	1.59061	700	0.999	0.998						
n _F	486.13	1.59499	650	0.999	0.998						
n _{F'}	479.99	1.59555	600	0.999	0.998						
n _g	435.84	1.60018	550	0.999	0.998						
n _h	404.66	1.60446	500	0.999	0.998						
n _i	365.01	1.61171	480	0.999	0.998						
			460	0.999	0.998						
Constants of Dispersion Formula			440	0.999	0.998						
			420	0.999	0.998						
			400	0.998	0.996						
			390	0.997	0.994						
			380	0.995	0.991						
A ₀	2.48520640E+00		370	0.994	0.988						
A ₁	-1.11940698E-02		360	0.986	0.973						
A ₂	1.38766236E-02		350	0.975	0.951						
A ₃	1.12540137E-04		340	0.953	0.908						
A ₄	1.15205458E-05		330	0.914	0.836						
A ₅	-4.63440822E-07		320	0.847	0.717						
			310	0.738	0.545						
			300	0.597	0.356						
			290	0.438	0.192						
			280	0.293	0.086						
Range of Temperature (°C)	Temperature Coefficients of Refractive Index										
	dn/dt relative (×10 ⁻⁶ / °C)										
	t	s	C	C'	He-Ne	d	e	F	F'	g	
	-60~-40	1.8	2.2	2.2	2.3	2.4	2.6	2.7	2.9	2.9	3.1
	-40~-20	1.8	2.2	2.2	2.3	2.5	2.7	2.7	3.0	3.1	3.2
	-20~0	1.9	2.3	2.4	2.5	2.6	2.9	3.0	3.1	3.2	3.3
	0~20	2.0	2.4	2.5	2.6	2.7	2.9	3.1	3.2	3.2	3.5
	20~40	2.1	2.5	2.7	2.8	2.9	3.0	3.2	3.3	3.4	3.7
	40~60	2.3	2.7	2.8	2.8	3.0	3.2	3.4	3.5	3.6	3.9
	60~80	2.3	2.8	3.0	3.0	3.1	3.4	3.5	3.7	3.8	4.2
	80~100	2.3	2.8	3.2	3.2	3.3	3.6	3.7	3.9	4.0	4.3
	100~120	2.4	3.0	3.3	3.3	3.4	3.7	3.9	4.0	4.1	4.5
	120~140	2.5	3.2	3.4	3.5	3.6	3.8	4.0	4.1	4.2	4.6
	140~160	2.6	3.3	3.5	3.6	3.8	3.9	4.1	4.3	4.4	4.8
Coloration Code								λ ₈₀ (λ ₇₀)/λ ₅			
								340/275			
Coloration of Internal Transmittance											
λτ ₈₀ /λτ ₅								327/275			
Constants of dn/dt											
D ₀				D ₁				D ₂			
8.95E-07				1.58E-08				-2.51E-11			
E ₀				E ₁				λ _{TK}			
6.76E-07				8.92E-10				8.04E-09			