

QF3	575413	$n_d = 1.57502$	$u_d = 41.31$	$n_F - n_C = 0.013920$
		$n_e = 1.57833$	$u_e = 41.03$	$n_{F'} - n_{C'} = 0.014097$

Refractive Indices			Chemical Properties (grade)		Internal Transmittance		
	$\lambda(\text{nm})$				$\lambda(\text{nm})$	$\tau_{5\text{mm}}$	$\tau_{10\text{mm}}$
n_r	706.52	1.56860	RC(S)	3	2400	0.865	0.748
n_C	656.27	1.57090	RA(S)	1	2200	0.938	0.880
$n_{C'}$	643.85	1.57155	D_W	1	2000	0.968	0.937
$n_{\text{He-Ne}}$	632.80	1.57216	D_A	1	1800	0.985	0.970
n_D	589.29	1.57490	$R_{\text{OH}}(\text{S})$		1600	0.995	0.990
n_d	587.56	1.57502	RP(S)		1400	0.998	0.996
n_e	546.07	1.57833	Thermal Properties		1200	0.998	0.996
n_F	486.13	1.58482	$T_g(^{\circ}\text{C})$	446	1060	0.998	0.996
$n_{F'}$	479.99	1.58564	$T_s(^{\circ}\text{C})$	506	1000	0.998	0.996
n_g	435.84	1.59281	$T_{10}^{14.5}(^{\circ}\text{C})$	389	950	0.998	0.996
n_h	404.66	1.59968	$T_{10}^{13}(^{\circ}\text{C})$	433	900	0.998	0.996
n_i	365.01	1.61200	$\alpha_{20/120^{\circ}\text{C}}(10^{-7}/\text{K})$	77	850	0.998	0.996
			$\alpha_{100/300^{\circ}\text{C}}(10^{-7}/\text{K})$	91	800	0.998	0.996

Constants of Dispersion Formula		Mechanical Properties	
A_0	2.42455090E+00	HK(10^7Pa)	435
A_1	-7.9714057E-03	F_A	
A_2	1.91498920E-02	$E(10^7\text{Pa})$	5978
A_3	3.55050980E-04	$G(10^7\text{Pa})$	2476
A_4	1.39418820E-05	μ	0.207
A_5	1.70577200E-06	$B(10^{-12}/\text{Pa})$	

Relative Partial Dispersion				Anomalous dispersions	
$P_{d,C}$	0.2960	$P'_{d,C'}$	0.2463	$\Delta P_{F,e}$	-0.0012
$P_{e,d}$	0.2348	$P'_{e,d}$	0.2349	$\Delta P_{g,F}$	-0.0010
$P_{g,F}$	0.5740	$P'_{g,F'}$	0.5089		

Range of Temperature ($^{\circ}\text{C}$)	Temperature Coefficients of Refractive Index									
	dn/dt relative ($10^{-6} / ^{\circ}\text{C}$)									
	t	C'	He-Ne	D	e	F'	g			
-40 ~ -20								370	0.990	0.980
-20 ~ 0								360	0.984	0.968
0 ~ 20								350	0.968	0.937
20 ~ 40								340	0.930	0.865
40 ~ 60								330	0.828	0.656
60 ~ 80								320	0.560	0.314
								310	0.123	0.015
								300		
								290		
								280		

Density		Coloration Code			Remarks		
$\rho(\text{g}/\text{cm}^3)$	3.19	λ_{80}/λ_5	340/310	λ_{70}/λ_5			