

<b>H-ZF39</b>	<b>667330</b>	$n_d = 1.66680$	$\nu_d = 33.05$	$n_F - n_c = 0.020173$
		$n_e = 1.67157$	$\nu_e = 32.80$	$n_{F'} - n_{c'} = 0.020477$

Refractive Indices			Relative Partial Dispersions				Internal Transmittance		
	$\lambda$ (nm)		$P_{d,c}$	0.2911	$P'_{d,c'}$	0.2457	$\lambda$ (nm)	$\tau$ 5 mm	$\tau$ 10 mm
$n_t$	1014.0	1.64667	$P_{e,d}$	0.2363	$P'_{e,d}$	0.2364	2400	0.916	0.839
$n_r$	706.5	1.65769	$P_{g,F}$	0.5950	$P'_{g,F'}$	0.5346	2200	0.941	0.885
$n_c$	656.3	1.66093					2000	0.971	0.942
$n_{c'}$	643.8	1.66184	Chemical Properties				1800	0.985	0.969
$n_{He-Ne}$	632.8	1.66271			Grade		1600	0.998	0.996
$n_D$	589.3	1.66663	RC(S)		2		1400	0.999	0.998
$n_d$	587.6	1.66680	RA(S)		1		1200	0.999	0.998
$n_e$	546.1	1.67157	D <sub>W</sub>		1		1060	0.999	0.998
$n_F$	486.1	1.68110	D <sub>A</sub>		1		1000	0.999	0.998
$n_{F'}$	480.0	1.68232					950	0.999	0.998
$n_g$	435.8	1.69311	Thermal Properties				900	0.999	0.998
$n_h$	404.7	1.70372	T <sub>g</sub> (°C)		582		850	0.999	0.998
$n_i$	365.0	1.72361	T <sub>s</sub> (°C)		621		800	0.999	0.998
			T <sub>10</sub> <sup>14.5</sup> (°C)		524		700	0.998	0.997
			T <sub>10</sub> <sup>13</sup> (°C)		562		650	0.998	0.996
Constants of Dispersion Formula			T <sub>10</sub> <sup>7.6</sup> (°C)		682		600	0.998	0.996
A <sub>0</sub>	2.6956635		$\alpha_{20/120^\circ\text{C}}(10^{-7}/\text{K})$		95		550	0.998	0.996
A <sub>1</sub>	$-1.0630573 \times 10^{-2}$		$\alpha_{100/300^\circ\text{C}}(10^{-7}/\text{K})$		112		500	0.996	0.991
A <sub>2</sub>	$2.6346470 \times 10^{-2}$		$\lambda$ (W/m · K)				480	0.994	0.989
A <sub>3</sub>	$1.2869122 \times 10^{-3}$		Mechanical Properties				460	0.993	0.985
A <sub>4</sub>	$-6.7560561 \times 10^{-5}$		H <sub>K</sub> (10 <sup>7</sup> Pa)		531		440	0.990	0.980
A <sub>5</sub>	$1.0991339 \times 10^{-5}$		F <sub>A</sub>		168		420	0.984	0.968
Deviation of Relative Partial Dispersions $\Delta P$ from the "Normal Line"			E (10 <sup>7</sup> Pa)		8282		400	0.961	0.924
$\Delta P_{F,e}$	0.0007		G (10 <sup>7</sup> Pa)		3318		390	0.927	0.859
$\Delta P_{g,F}$	0.0055		$\mu$		0.248		380	0.840	0.705
			B (10 <sup>-12</sup> /Pa)		2.54		370	0.610	0.373
			Other Properties				360	0.201	0.040
			$\rho$ (g/cm <sup>3</sup> )		2.92		350		
Temperature Coefficients of Refractive Index									
Rang of Temperature	$dn/dt$ relative(10 <sup>-6</sup> /°C)								
	t	C'	d	e	F'	g			
-40~-20	-1.2	0.2	0.3	0.6	1.4	1.9	340		
-20~0	-0.2	0.0	0.6	1.2	2.1	3.2	330		
0~20	0.0	0.9	1.0	1.3	2.1	3.0	320		
20~40	-0.2	0.9	1.1	1.4	2.2	3.4	310		
40~60	0.1	1.0	1.3	1.7	3.0	3.7	300		
60~80	0.3	1.1	1.5	1.9	3.1	4.0	290		
							Coloration Code		
							$\lambda_{80}/\lambda_5$	40/36	