

<b>D-ZLaF52LA</b>	<b>810410</b>	$n_d = 1.81000$	$v_d = 40.99$	$n_F - n_C = 0.01976$
		$n_e = 1.81469$	$v_e = 40.75$	$n_{F'} - n_{C'} = 0.01999$

Refractive Indices			Relative Partial Dispersions				Internal Transmittance		
	$\lambda$ (nm)		$P_{d,c}$	0.2986	$P'_{d,c'}$	0.2486	$\lambda$ (nm)	$\tau$ 5 mm	$\tau$ 10 mm
$n_t$	1014.0	1.78939	$P_{e,d}$	0.2373	$P'_{e,d}$	0.2346	2400	0.87	0.75
$n_r$	706.5	1.80082	$P_{g,F}$	0.5693	$P'_{g,F'}$	0.5048	2200	0.961	0.924
$n_c$	656.3	1.80410					2000	0.984	0.969
$n_{c'}$	643.8	1.80503	<b>Chemical Properties</b>				1800	0.996	0.992
$n_{He-Ne}$	632.8	1.80590			Grade		1600	0.999	0.998
$n_D$	589.3	1.80982	RC(S)		1		1400	0.998	0.996
$n_d$	587.6	1.81000	RA(S)		3		1200	0.999	0.998
$n_e$	546.1	1.81469	D <sub>W</sub>		1		1060	0.999	0.998
$n_F$	486.1	1.82386	D <sub>A</sub>		6		1000	0.999	0.998
$n_{F'}$	480.0	1.82502					950	0.999	0.998
$n_g$	435.8	1.83511	<b>Thermal Properties</b>				900	0.999	0.998
$n_h$	404.7	1.84471	T <sub>g</sub> (°C)		546		850	0.999	0.998
$n_i$	365.0	1.86173	T <sub>s</sub> (°C)		582		800	0.999	0.998
			T <sub>10</sub> <sup>14.5</sup> (°C)		506		700	0.998	0.997
			T <sub>10</sub> <sup>13</sup> (°C)		538		650	0.998	0.996
			T <sub>10</sub> <sup>7.6</sup> (°C)		644		600	0.997	0.995
			$\alpha_{20/120^\circ C}(10^{-7}/K)$		69		550	0.997	0.995
			$\alpha_{100/300^\circ C}(10^{-7}/K)$		83		500	0.995	0.990
			$\lambda$ (W/m · K)				480	0.992	0.985
							460	0.990	0.980
<b>Constants of Dispersion Formula</b>			<b>Mechanical Properties</b>				440	0.986	0.972
A <sub>0</sub>	3.1753525		H <sub>K</sub> (10 <sup>7</sup> Pa)		662		420	0.980	0.961
A <sub>1</sub>	-8.4875028 × 10 <sup>-3</sup>		F <sub>A</sub>		109		400	0.968	0.937
A <sub>2</sub>	3.7130165 × 10 <sup>-2</sup>		E (10 <sup>7</sup> Pa)		11506		390	0.955	0.913
A <sub>3</sub>	-1.0960906 × 10 <sup>-3</sup>		G (10 <sup>7</sup> Pa)		4427		380	0.933	0.870
A <sub>4</sub>	2.4418582 × 10 <sup>-4</sup>		$\mu$		0.300		370	0.89	0.79
A <sub>5</sub>	-8.9458329 × 10 <sup>-6</sup>		B (10 <sup>-12</sup> /Pa)				360	0.80	0.64
							350	0.61	0.38
<b>Deviation of Relative Partial Dispersions <math>\Delta P</math> from the "Normal Line"</b>			<b>Other Properties</b>				340	0.28	0.08
$\Delta P_{F,e}$	-0.0032		$\rho$ (g/cm <sup>3</sup> )		4.56		330		
$\Delta P_{g,F}$	-0.0066						320		
							310		
							300		
							290		
							280		
							<b>Coloration Code</b>		
							$\lambda_{80}/\lambda_5$	40/34	
<b>Temperature Coefficients of Refractive Index</b>									
Rang of Temperature	dn/dt relative(10 <sup>-6</sup> /°C)								
	t	C'	d	e	F'	g			
-40~-20	4.6	5.2	5.7	6.2	7.0	7.5			
-20~0	5.3	5.5	6.2	6.7	7.5	8.4			
0~20	5.5	6.0	6.5	6.7	7.5	8.3			
20~40	5.5	6.3	6.8	7.3	7.8	8.4			
40~60	5.6	6.4	6.8	7.2	7.9	8.8			
60~80	5.7	6.6	7.0	7.3	8.3	9.1			