

<b>D-ZF93</b>	<b>002207</b>	$n_d=2.00170$	$\nu_d = 20.70$	$n_F - n_c = 0.048391$
		$n_e=2.01305$	$\nu_e = 20.53$	$n_{F'} - n_{c'} = 0.049345$

Refractive Indices			Relative Partial Dispersions				Internal Transmittance		
	$\lambda$ (nm)		$P_{d,c}$	0.2820	$P'_{d,c'}$	0.2337	$\lambda$ (nm)	$\tau$ 5 mm	$\tau$ 10 mm
$n_t$	1014.0	1.95731	$P_{e,d}$	0.2345	$P'_{e,d}$	0.2300	2400	0.854	0.730
$n_r$	706.5	1.98076	$P_{g,F}$	0.6391	$P'_{g,F'}$	0.5648	2200	0.947	0.896
$n_c$	656.3	1.98805					2000	0.981	0.962
$n_{c'}$	643.8	1.99017	<b>Chemical Properties</b>				1800	0.992	0.985
$n_{He-Ne}$	632.8	1.99215			Grade		1600	0.997	0.994
$n_D$	589.3	2.00129	RC(S)		1		1400	0.998	0.996
$n_d$	587.6	2.00170	RA(S)		4		1200	0.999	0.998
$n_e$	546.1	2.01305	D <sub>W</sub>		1		1060	0.999	0.998
$n_F$	486.1	2.03645	D <sub>A</sub>		4		1000	0.998	0.997
$n_{F'}$	480.0	2.03950					950	0.998	0.997
$n_g$	435.8	2.06737	<b>Thermal Properties</b>				900	0.998	0.996
$n_h$	404.7	2.09633	$T_g$ (°C)		439		850	0.997	0.995
$n_i$	365.0		$T_s$ (°C)		462		800	0.995	0.990
			$T_{10}^{14.5}$ (°C)		408		700	0.994	0.989
			$T_{10}^{13}$ (°C)		428		650	0.994	0.988
			$T_{10}^{7.6}$ (°C)		496		600	0.993	0.986
			$\alpha_{20/120^\circ C}(10^{-7}/K)$		83		550	0.988	0.976
			$\alpha_{100/300^\circ C}(10^{-7}/K)$		94		500	0.958	0.918
			$\lambda$ (W/m · K)				480	0.927	0.859
							460	0.869	0.755
<b>Constants of Dispersion Formula</b>			<b>Mechanical Properties</b>				440	0.758	0.575
$A_0$	3.8012533		$H_K$ ( $10^7$ Pa)		440		420	0.530	0.281
$A_1$	$-2.6481594 \times 10^{-2}$		$F_A$		250		400	0.134	0.018
$A_2$	$4.8119072 \times 10^{-2}$		$E$ ( $10^7$ Pa)		7795		390		
$A_3$	$1.2142102 \times 10^{-2}$		$G$ ( $10^7$ Pa)		3073		380		
$A_4$	$-1.4889424 \times 10^{-3}$		$\mu$		0.268		370		
$A_5$	$1.3681716 \times 10^{-4}$		$B$ ( $10^{-12}$ /Pa)		1.20		360		
							350		
<b>Deviation of Relative Partial Dispersions <math>\Delta P</math> from the "Normal Line"</b>			<b>Other Properties</b>				340		
$\Delta P_{F,e}$	0.0053		$\rho$ (g/cm <sup>3</sup> )		6.11		330		
$\Delta P_{g,F}$	0.0286						320		
							310		
							300		
							290		
							280		
							<b>Coloration Code</b>		
							$\lambda_{70}/\lambda_5$	49/41	
<b>Temperature Coefficients of Refractive Index</b>									
<b>Rang of Temperature</b>	<b>dn/dt relative(<math>10^{-6}/^\circ C</math>)</b>								
	t	C'	d	e	F'	g			
-40~-20	10.8	14.9	16.3	18.2	23.0	29.2			
-20~0	12.1	16.2	18.0	20.1	24.5	31.4			
0~20	12.1	16.7	18.7	20.8	26.3	32.5			
20~40	13.9	18.0	20.4	22.5	28.1	35.1			
40~60	13.9	19.1	20.5	22.4	28.2	35.1			
60~80	14.3	19.3	21.3	23.7	29.4	37.1			