

## LAK9G15 691548.353

$n_d = 1.69064$	$v_d = 54.76$	$n_F - n_C = 0.012612$
$n_e = 1.69364$	$v_e = 54.53$	$n_{F'} - n_{C'} = 0.012721$

Refractive Indices		
	$\lambda$ [nm]	
$n_{2325.4}$	2325.4	1.65362
$n_{1970.1}$	1970.1	1.66043
$n_{1529.6}$	1529.6	1.66783
$n_{1060.0}$	1060.0	1.67552
$n_t$	1014.0	1.67639
$n_s$	852.1	1.67999
$n_r$	706.5	1.68462
$n_C$	656.3	1.68680
$n_{C'}$	643.8	1.68741
$n_{632.8}$	632.8	1.68798
$n_D$	589.3	1.69052
$n_d$	587.6	1.69064
$n_e$	546.1	1.69364
$n_F$	486.1	1.69941
$n_{F'}$	480.0	1.70013
$n_g$	435.8	1.70630
$n_h$	404.7	1.71205
$n_i$	365.0	
$n_{334.1}$	334.1	
$n_{312.6}$	312.6	
$n_{296.7}$	296.7	
$n_{280.4}$	280.4	
$n_{248.3}$	248.3	

Internal Transmittance $\tau_i$		
$\lambda$ [nm]	$\tau_i$ (10mm)	$\tau_i$ (25mm)
2500	0.480	0.160
2325	0.752	0.490
1970	0.963	0.910
1530	0.995	0.987
1060	0.998	0.996
700	0.994	0.986
660	0.993	0.982
620	0.991	0.978
580	0.989	0.973
546	0.985	0.964
500	0.971	0.930
460	0.919	0.810
436	0.799	0.570
420	0.634	0.320
405	0.382	0.090
400	0.292	0.040
390	0.122	0.010
380	0.026	
370		
365		
350		
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2852
$P_{C,s}$	0.5400
$P_{d,C}$	0.3040
$P_{e,d}$	0.2383
$P_{g,F}$	0.5462
$P_{i,h}$	
$P'_{s,t}$	0.2828
$P'_{C',s}$	0.5834
$P'_{d,C'}$	0.2533
$P'_{e,d}$	0.2362
$P'_{g,F'}$	0.4849
$P'_{i,h}$	

### Deviation of Relative Partial Dispersions $\Delta P$ from the "Normal Line"

$\Delta P_{C,t}$	0.0205
$\Delta P_{C,s}$	0.0095
$\Delta P_{F,e}$	-0.0018
$\Delta P_{g,F}$	-0.0055
$\Delta P_{i,g}$	

Constants of Dispersion Formula	
$B_1$	1.28773667
$B_2$	0.518244853
$B_3$	26.1756109
$C_1$	0.0055754192
$C_2$	0.0223679524
$C_3$	1892.2533

Constants of Dispersion $dn/dT$	
$D_0$	
$D_1$	
$D_2$	
$E_0$	
$E_1$	
$\lambda_{TK}$ [ $\mu m$ ]	

Color Code	
$\lambda_{80}/\lambda_5$	46/38
(* = $\lambda_{70}/\lambda_5$ )	

Remarks	
radiation resistant glass	

Other Properties	
$\alpha_{-30/+70^\circ C}$ [ $10^{-6}/K$ ]	6.3
$\alpha_{+20/+300^\circ C}$ [ $10^{-6}/K$ ]	7.6
$T_g$ [ $^\circ C$ ]	634
$T_{10}^{13.0}$ [ $^\circ C$ ]	635
$T_{10}^{7.6}$ [ $^\circ C$ ]	710
$c_p$ [J/(g·K)]	0.660
$\lambda$ [W/(m·K)]	0.880
$\rho$ [g/cm <sup>3</sup> ]	3.53
$E$ [ $10^3$ N/mm <sup>2</sup> ]	108
$\mu$	0.288
$K$ [ $10^{-6}$ mm <sup>2</sup> /N]	1.86
$HK_{0.1/20}$	721
<b>HG</b>	
<b>CR</b>	2
<b>FR</b>	2
<b>SR</b>	53
<b>AR</b>	1.3
<b>PR</b>	4.3

Temperature Coefficients of Refractive Index						
[ $^\circ C$ ]	$\Delta n_{rel}/\Delta T$ [ $10^{-6}/K$ ]			$\Delta n_{abs}/\Delta T$ [ $10^{-6}/K$ ]		
	1060.0	e	g	1060.0	e	g
-40/ -20						
+20/ +40						
+60/ +80						