

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		
	λ [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 τ_i		
λ [nm]	τ_i (10mm)	τ_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 ΔP 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	
λ_{TK} [μm]	

Color Code	
λ_{80}/λ_5	46/38
(* = λ_{70}/λ_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
λ [W/(m·K)]	0.880
ρ [g/cm ³]	3.53
E [10^3 N/mm ²]	108
μ	0.288
K [10^{-6} mm ² /N]	1.86
$HK_{0.1/20}$	721
HG	
CR	2
FR	2
SR	53
AR	1.3
PR	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						