

KZFS12 696363.384

$n_d = 1.69600$	$v_d = 36.29$	$n_F - n_C = 0.019179$
$n_e = 1.70055$	$v_e = 36.06$	$n_{F'} - n_{C'} = 0.019425$

Refractive Indices		
	λ [nm]	
$n_{2325.4}$	2325.4	1.64970
$n_{1970.1}$	1970.1	1.65749
$n_{1529.6}$	1529.6	1.66580
$n_{1060.0}$	1060.0	1.67488
n_t	1014.0	1.67598
n_s	852.1	1.68071
n_r	706.5	1.68717
n_C	656.3	1.69033
$n_{C'}$	643.8	1.69122
$n_{632.8}$	632.8	1.69206
n_D	589.3	1.69583
n_d	587.6	1.69600
n_e	546.1	1.70055
n_F	486.1	1.70951
$n_{F'}$	480.0	1.71065
n_g	435.8	1.72059
n_h	404.7	1.73017
n_i	365.0	1.74746
$n_{334.1}$	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	0.276	0.040
2325	0.618	0.300
1970	0.919	0.810
1530	0.976	0.940
1060	0.998	0.994
700	0.997	0.993
660	0.997	0.992
620	0.997	0.992
580	0.996	0.991
546	0.996	0.991
500	0.994	0.986
460	0.988	0.971
436	0.977	0.944
420	0.963	0.910
405	0.933	0.840
400	0.919	0.810
390	0.877	0.720
380	0.804	0.580
370	0.679	0.380
365	0.574	0.250
350	0.109	0.004
334		
320		
310		
300		
290		
280		
270		
260		
250		

Relative Partial Dispersion	
$P_{s,t}$	0.2468
$P_{C,s}$	0.5013
$P_{d,C}$	0.2957
$P_{e,d}$	0.2371
$P_{g,F}$	0.5778
$P_{i,h}$	0.9012
$P'_{s,t}$	0.2436
$P'_{C',s}$	0.5409
$P'_{d,C'}$	0.2460
$P'_{e,d}$	0.2341
$P'_{g,F'}$	0.5118
$P'_{i,h}$	0.8898

Deviation of Relative Partial Dispersions ΔP from the "Normal Line"	
$\Delta P_{C,t}$	0.0309
$\Delta P_{C,s}$	0.0138
$\Delta P_{F,e}$	-0.0021
$\Delta P_{g,F}$	-0.0050
$\Delta P_{i,g}$	-0.0189

Constants of Dispersion Formula	
B_1	1.55624873
B_2	0.239769276
B_3	0.947887658
C_1	0.0102012744
C_2	0.0469277969
C_3	69.8370722

Constants of Dispersion dn/dT	
D_0	$4.36 \cdot 10^{-6}$
D_1	$1.32 \cdot 10^{-8}$
D_2	$-1.81 \cdot 10^{-11}$
E_0	$6.86 \cdot 10^{-7}$
E_1	$6.81 \cdot 10^{-10}$
$\lambda_{TK} [\mu m]$	0.253

Color Code	
λ_{80}/λ_5	40/35
(*= λ_{70}/λ_5)	

Remarks	
inquiry glass, lead containing glass type	

Other Properties	
$\alpha_{-30/+70^\circ C} [10^{-6}/K]$	5.2
$\alpha_{+20/+300^\circ C} [10^{-6}/K]$	6.2
$T_g [^\circ C]$	492
$T_{10}^{13.0} [^\circ C]$	476
$T_{10}^{7.6} [^\circ C]$	549
$c_p [J/(g \cdot K)]$	0.540
$\lambda [W/(m \cdot K)]$	0.710
$\rho [g/cm^3]$	3.84
$E [10^3 N/mm^2]$	66
μ	0.279
$K [10^{-6} mm^2/N]$	2.35
$HK_{0.1/20}$	440
HG	4
CR	4
FR	1
SR	53.3
AR	4.3
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	4.1	5.4	6.8	1.9	3.1	4.4
+20/ +40	4.3	5.7	7.3	2.8	4.2	5.8
+60/ +80	4.5	6.0	7.8	3.4	4.9	6.6