

H-BaK6	564608
---------------	---------------

$n_d = 1.56388$	$vd = 60.76$	$nF - nC = 0.00928$
$n_e = 1.5661$	$ve = 60.5$	$nF' - nC' = 0.009357$

Refractive Indices		
	λ (nm)	
n_r	706.5	1.55943
n_c	656.3	1.56105
$n_{c'}$	643.8	1.5615
n_{He-Ne}	632.8	1.56192
n_D	589.3	1.5638
n_d	587.6	1.56388
n_e	546.1	1.5661
n_F	486.1	1.57033
$n_{F'}$	480.0	1.57086
n_g	435.8	1.57535
n_h	404.7	1.57951
n_i	365.0	1.58661

Constants of Dispersion (Cauchy)	
A_0	2.4092857
A_1	$-9.16753791 \times 10^{-3}$
A_2	$1.32349931 \times 10^{-2}$
A_3	$1.43723301 \times 10^{-5}$
A_4	$1.57965571 \times 10^{-5}$
A_5	$3.81533761 \times 10^{-6}$

Relative Partial Dispersions			
$P_{d,c}$	0.305	$P'_{d,c'}$	0.2543
$P_{e,d}$	0.2392	$P'_{e,d}$	0.2372
$P_{g,F}$	0.5409	$P'_{g,F'}$	0.4797

Deviation of Relative Partial Dispersions	
$\Delta P_{F,e}$	-0.0008
$\Delta P_{g,F}$	-0.0017

NHG	HOYA	OHARA	SCHOTT
H-BaK6	BaCD11	S-BaL41	N-SK11

Chemical Properties	
	Group
RC(S)	1
RA(S)	3
DW	1
DA	2

Thermal Properties	
T_g (°C)	616
T_s (°C)	671
$T_{10}^{14.5}$ (°C)	557
T_{10}^{13} (°C)	589
$\alpha_{20/120^\circ C}$ ($10^{-7}/K$)	62
$\alpha_{20/300^\circ C}$ ($10^{-7}/K$)	71

Mechanical Properties	
Hardness ($10^7 Pa$)	506
FA (Relative Abrasion)	0.8
Young's Modulus ($10^7 Pa$)	8063
Rigidity Modulus ($10^7 Pa$)	3252
Poisson's Ratio	0.24

Photoelastic Constant	
β ($10^{-12}/Pa$)	

Color	
λ_{80}/λ_5	35/30

Specific Gravity	
ρ (g/cm^3)	3.05

Internal Transmittance		
λ (nm)	τ_{5mm}	τ_{10mm}
2400	0.915	0.838
2200	0.945	0.893
2000	0.984	0.969
1800	0.993	0.986
1600	0.998	0.996
1400	0.999	0.998
1200	0.999	0.998
1060	0.999	0.998
1000	0.999	0.998
950	0.999	0.998
900	0.999	0.998
850	0.999	0.998
800	0.999	0.998
700	0.999	0.998
650	0.999	0.998
600	0.999	0.998
550	0.999	0.998
500	0.998	0.996
480	0.997	0.995
460	0.997	0.994
440	0.996	0.992
420	0.995	0.991
400	0.994	0.988
390	0.991	0.982
380	0.987	0.974
370	0.981	0.963
360	0.966	0.934
350	0.94	0.883
340	0.89	0.79
330	0.8	0.64
320	0.66	0.43
310	0.46	0.21
300	0.24	0.06
290	0.08	
280		



Naked Optics Corp.
 16 Mt. Bethel Rd. #374
 Warren, NJ 07059
 908-685-0352 (ph) . 908-325-0250 (fax)