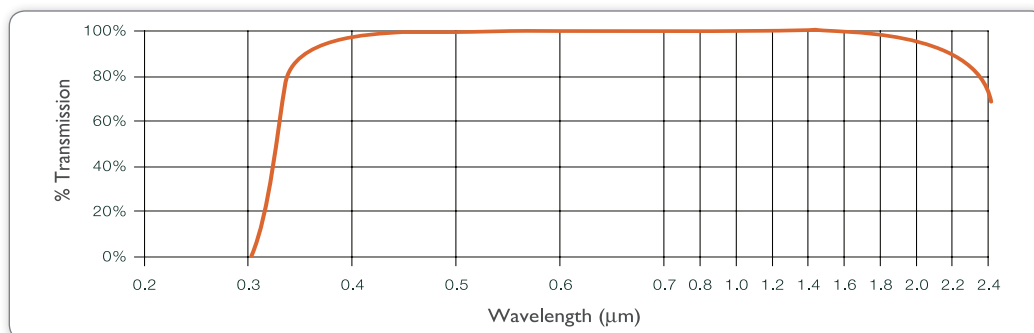


## D-LaK6

Internal Transmission Curve  
(10mm thickness)



## Optical Properties

Refractive Indices		
Index	$\lambda$ (nm)	Value
$n_{1529.6}$	1529.6	1.667
$n_{1060.0}$	1060.0	1.675
$n_t$	1014.0	1.675
$n_s$	852.1	1.679
$n_r$	706.5	1.684
$n_c$	656.3	1.686
$n_{c'}$	643.8	1.687
$n_{He-Ne}$	632.8	1.687
$n_D$	589.3	1.690
$n_d$	587.6	1.690
$n_e$	546.1	1.693
$n_F$	486.1	1.699
$n_{F'}$	480.0	1.700
$n_g$	435.8	1.706
$n_h$	404.7	1.712
$n_i$	365.0	1.722

Dispersion	
Abbe Number	Value
$v_d$	52.65
$v_e$	52.89

Coloring	
$\lambda_{80} / \lambda_5$	Value
	36/30

Standard Coatings		
Coating	$\lambda$ Range (μm)	$R_{MAX}$
MLBB-UVA	350 - 600	< 1.0%

## Other Properties

RoHS Compliance	
Lead (Pb)	< 2ppm
Mercury (Hg)	< 2ppm
Cadmium (Cd)	< 2ppm
Hexavalent Chromium (Cr <sup>6+</sup> )	< 2ppm
PBB	< 2ppm
PBDE	< 2ppm

Mechanical Properties	
Density	3.5 g/cm <sup>3</sup>
Hardness	665 knoop
Young's Modulus	11,369 GPa

Thermal Properties	
$T_g$	522 °C
CTE	$7.8 \times 10^{-6} / ^\circ C$
dn/dT	$5.5 \times 10^{-6} / ^\circ C$

Equivalent Glasses	
Manufacturer	Glass
Hoya	M-LAC130
Ohara	L-LAL13

LightPath<sup>®</sup> lenses that have a 357xxx prefix use the D-LaK6 glass.

LightPath<sup>®</sup>  
TECHNOLOGIES

All values represent glass characteristics after molding

Revised: 5/13