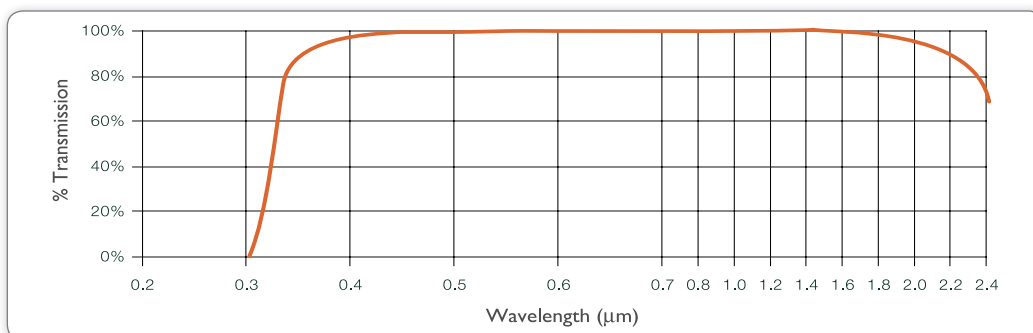


D-LaK6

Internal Transmission Curve
(10mm thickness)



Optical Properties

Refractive Indices		
Index	λ (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	
λ_{80} / λ_5	36/30

Standard Coatings		
Coating	λ 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 ⁶⁺)	< 2ppm
PBB	< 2ppm
PBDE	< 2ppm

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

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

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

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



All values represent glass characteristics after molding

Revised: 5/13