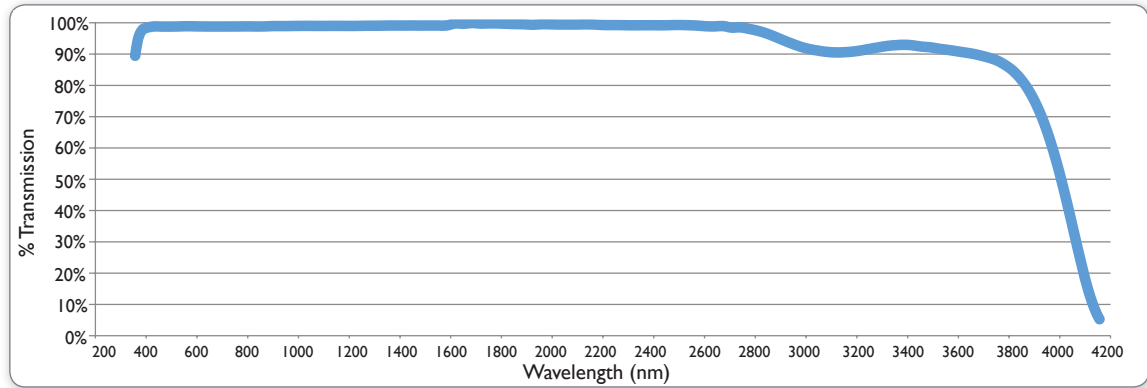


H-FK6I

Internal Transmission
Curve**
(5mm thickness)

**Assuming no reflection losses



Optical Properties

Refractive Indices		
Index	λ (nm)	Value
n_{3770}	3770	1.461*
n_{3500}	3500	1.465*
n_{3000}	3000	1.472*
n_{2500}	2500	1.478*
n_{2000}	2000	1.482*
n_{1500}	1500	1.486*
n_t	1014.0	1.488
n_s	852.1	1.490
n_r	706.5	1.492
n_c	656.3	1.494
$n_{c'}$	643.8	1.494
n_{He-Ne}	632.8	1.494
n_D	589.3	1.495
n_d	587.6	1.495
n_e	546.1	1.497
n_F	486.1	1.500
$n_{F'}$	480.0	1.500
n_g	435.8	1.503
n_h	404.7	1.506
n_i	365.0	1.510

Dispersion	
Abbe Number	Value
v_d	81.20
v_e	81.44

Coloring	
λ_{80} / λ_5	Value
	35/31

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	3.70 g/cm ³
Hardness	372 knoop
Young's Modulus	70.07 GPa

Thermal Properties	
T_g	450 °C
CTE* (25-100 °C)	$12.8 \times 10^{-6}/^{\circ}C$
dn/dT	$-6.6 \times 10^{-6}/^{\circ}C$

Equivalent Glasses	
Manufacturer	Glass
Hoya	FCD1
Ohara	S-FPL51
Schott	N-PK52A

LightPath lenses that have a 353xxx prefix use the H-FK6I glass.



All values represent glass characteristics after molding
* Testing administered by LightPath Technologies