

# DATA SHEET

# HOYA® LB-80

**HOYA**

HOYA CANDEO OPTONICS CORPORATION

Thickness (-) mm

**LB80**

Transmittance (T) units: %

λnm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
T	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.6	21.3	39.0	54.5	65.9	73.0	78.7
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	81.9	82.2	78.4	77.3	75.5	73.9	71.9	69.8	67.7	65.6	63.5	61.0	58.2	55.0	52.9	52.5	52.5	50.3	46.0	41.2
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	39.1	37.7	35.8	33.5	31.1	29.6	29.2	29.6	30.5	31.1	31.0	30.4	29.8	29.2	28.7	28.3	28.0	27.8	27.7	27.6
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	27.7	27.9	28.2	28.4	28.8	29.2	29.6	30.2	30.7	31.3	32.0	32.7	33.5	34.3	35.1	35.9	36.7	37.6	38.5	39.4
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	40.3	41.2	42.0	42.9	43.8	44.6	45.5	46.3	47.1	47.9	48.7	50.2	51.8	53.0	54.3	55.4				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.553	1.545	1.541	1.538	1.537	1.535	1.535
K	1.4E-06	5.6E-06	1.6E-05	2.4E-05	3.1E-05	3.1E-05	2.6E-05
P	0.910	0.912	0.913	0.914	0.914	0.915	0.915

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

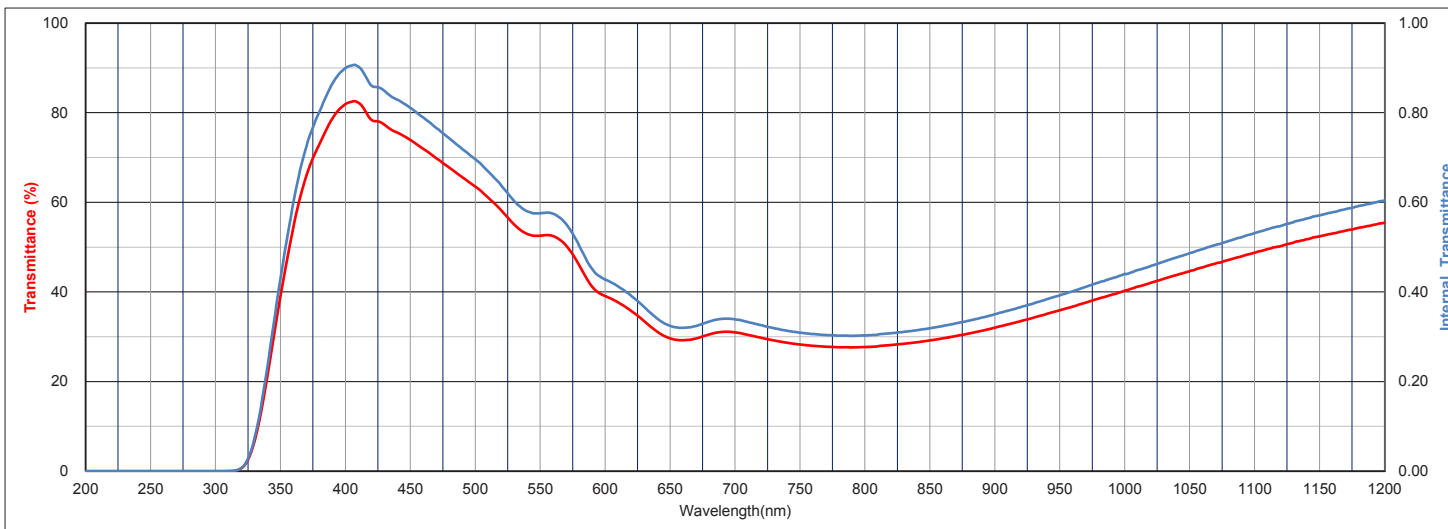
	x	y	Y	λ <sub>s</sub>	P <sub>s</sub>
A	0.388	0.398	47	492	15
C	0.258	0.275	50	481	23
D65	0.261	0.289	51	482	23

Properties

Chemical		Thermal				Mechanical		Others
D <sub>w</sub>	D <sub>k</sub>	T <sub>g</sub>	T <sub>s</sub>	α <sub>-30/70</sub>	α <sub>100/300</sub>	H <sub>k</sub>	F <sub>k</sub>	d
2	1	460	510	99	116	490	110	2.83

Tolerances of Transmittance(T)

B-R Conversion Value
V(mired)
-80±5



All data is mean values of various melts.

The content of this catalog is accurate as of April ,2014

UQG OPTICS MAKES EVERY EFFORT TO VERIFY 3RD PARTY TECHNICAL DATA BUT ACCEPTS NO RESPONSIBILITY FOR ACCURACY

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