

DATA SHEET

HOYA UV28N

HOYA

HOYA CORPORATION OPTICS SECTION

Thickness 2.50 mm

UV28N

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	0.2	2.3	10.2	27.7	50.2	68.3	79.3	84.4	86.7	88.4	88.6	89.3	89.2	89.2	89.5
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
T	89.6	89.6	89.8	89.8	89.7	89.8	89.7	89.9	90.0	90.0	89.9	89.9	90.0	89.8	90.0	90.0	90.1	90.1	90.0	90.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
T	90.0	90.1	90.0	90.0	90.1	90.1	89.9	90.1	90.2	90.2	90.1	90.1	90.2	90.1	89.9	90.1	90.1	90.5	90.5	90.4
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	90.5	90.5	90.4	90.5	90.6	90.7	90.9	91.1	91.0	91.1	91.2	91.2	91.3	91.3	91.4	91.5	91.5	91.6	91.6	91.7
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
T	91.6	91.7	91.8	91.7	91.8	91.8	91.9	91.9	91.9	91.9	92.0	92.0	92.1	92.1	92.1	92.2				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.536	1.524	1.518	1.514	1.512	1.510	1.509
P	0.914	0.917	0.919	0.920	0.920	0.921	0.921

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

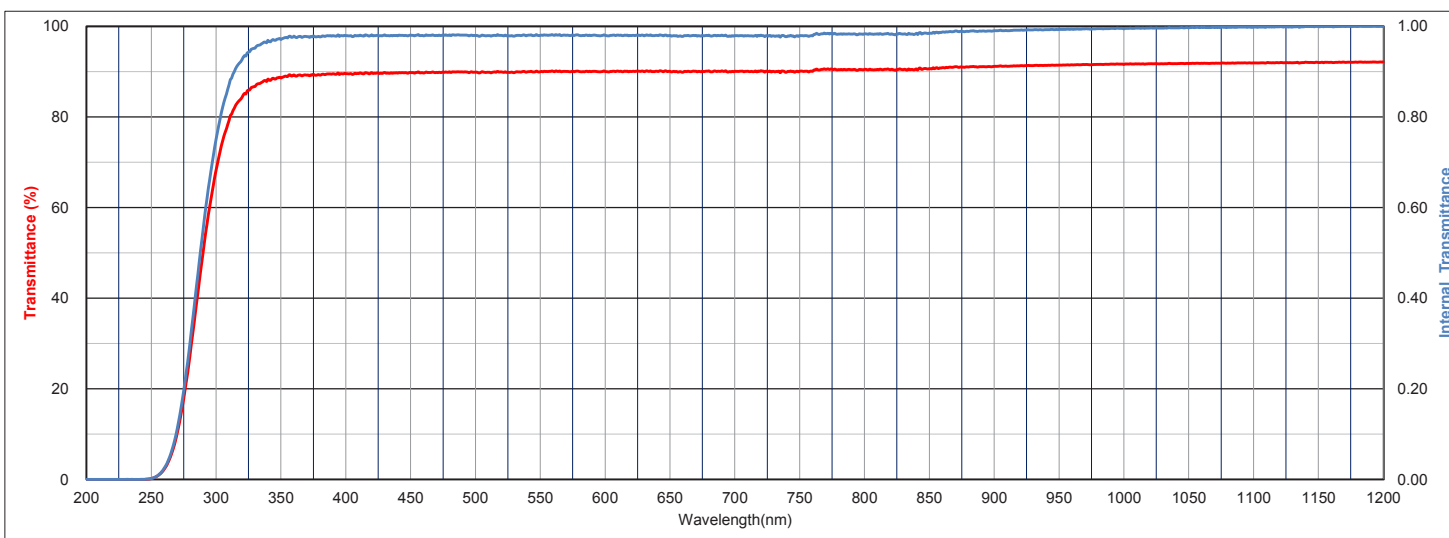
	x	y	Y	λ _d	P _s
A	-	-	-	-	-
C	-	-	-	-	-
D65	-	-	-	-	-

Properties

Chemical		Thermal				Mechanical		Others
D _w	D _A	T _g	T _s	α _{-30/70}	α _{100/300}	H _k	F _A	d
2	1	572	642	73	87	525	100	2.61

Tolerance of Transmittance (T)

Transition Wavelength	Transition Interval	Average High Transmittance
λ T	Δ λ	Th(%)
280±7 nm	< 45 nm	> 85 %



All data is mean values of various melts.

The content of this catalog is accurate as of October, 2020

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λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
T	90.5	90.5	90.4	90.5	90.6	90.7	90.9	91.1	91.0	91.1	91.2	91.2	91.3	91.3	91.4	91.5	91.5	91.6	91.6	91.7
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
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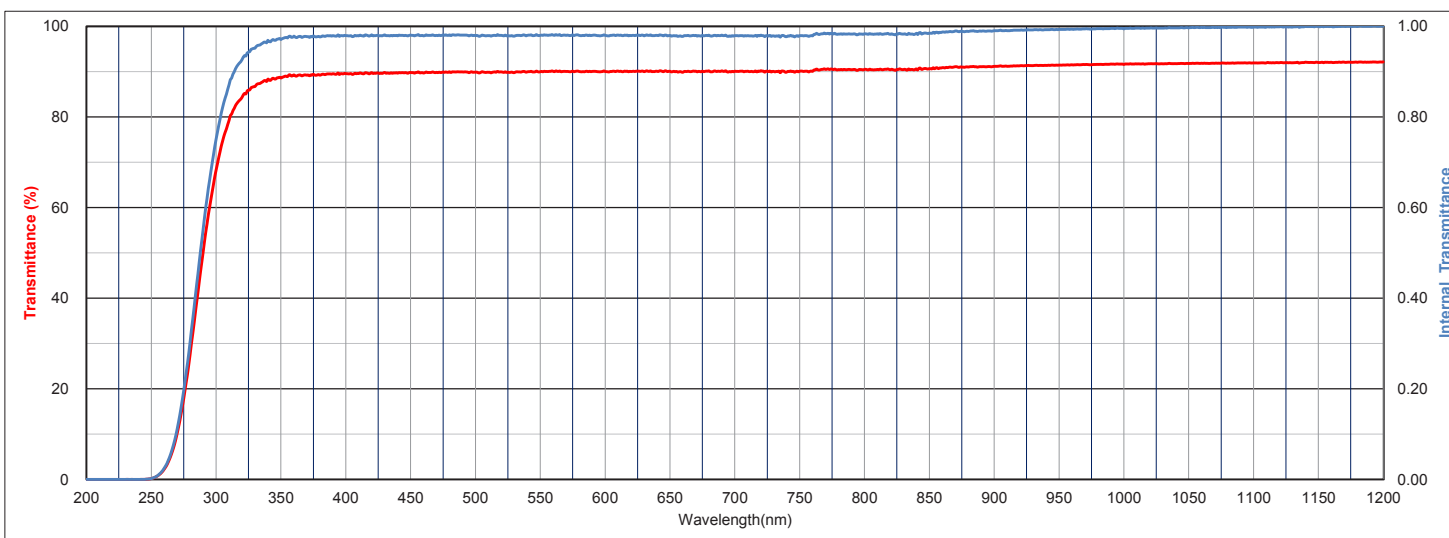
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C	-	-	-	-	-
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