HOYA

HOYA CORPORATION OPTICS SECTION

Thickness 2.50 mm

Y48

Transmittance (T) units: %

λnm	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390
τ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
τ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	43.9	79.6	87.1	88.9	89.4	89.7	89.8	89.9	90.0	90.0	90.1	90.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
τ	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.3	90.4	90.3	90.3	90.4	90.4	90.4	90.4	90.3	90.4	90.3
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
τ	90.3	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.5	90.5	90.6	90.6	90.6	90.7	90.7	90.6
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1120	1140	1160	1180	1200				
τ	90.7	90.8	90.7	90.7	90.7	90.8	90.8	90.7	90.7	90.8	90.8	90.8	90.9	90.9	90.9	90.9				

Refractive Index/Absorption coefficient/Reflection coefficient

λnm	400	500	600	700	800	900	1000
n	1.538	1.534	1.532	1.531	1.530	1.529	1.529
P	0.914	0.915	0.915	0.916	0.916	0.916	0.916

Classes of Bubbles and Inclusions

Bubble Class
3

Color Specification

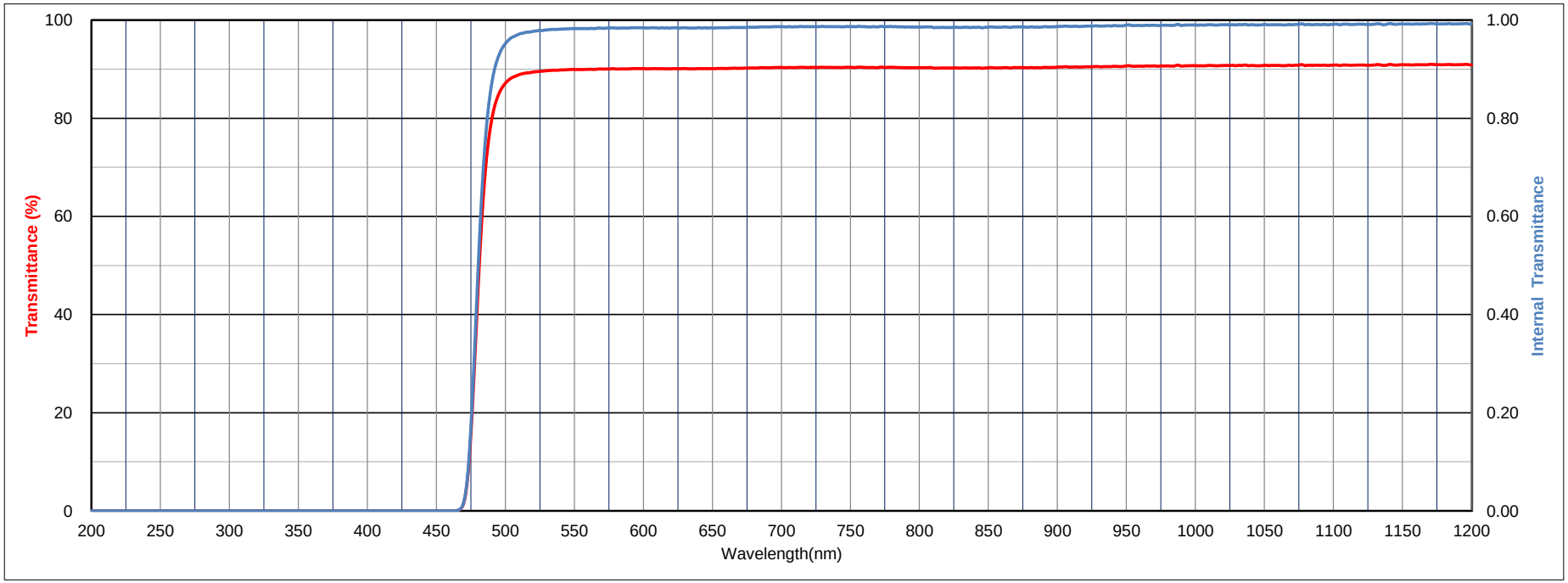
	x	y	Y	λ_d	P_e
A	0.497	0.467	89	580	76
C	0.416	0.504	86	570	79
D65	0.412	0.510	87	569	79

Properties

Chemical		Thermal				Mechanical		Others
D_W	D_A	Tg	Ts	α -30/70	α 100/300	H_K	F_A	d
3	1	560	625	94	105	540	130	2.67

Tolerance of Transmittance (τ)

λτ (nm)	⊿λ (nm)	TH (%)
480±5	<25	>85



All data is mean values of various melts.

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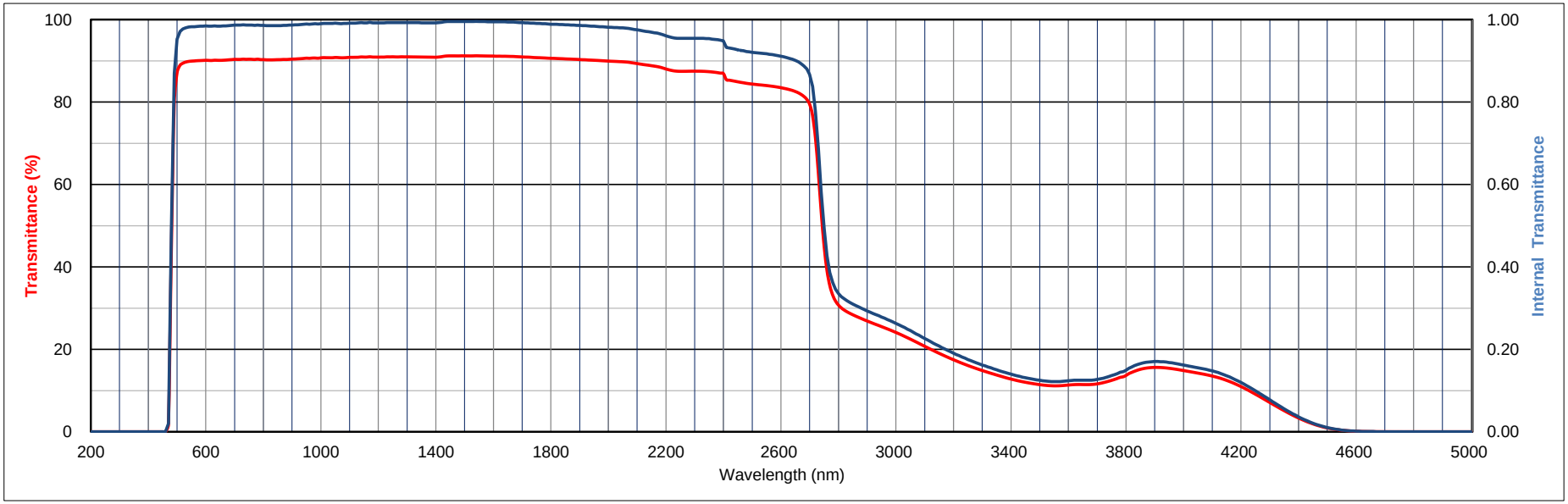
τ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590
τ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	43.9	79.6	87.1	88.9	89.4	89.7	89.8	89.9	90.0	90.0	90.1	90.1
λnm	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790
τ	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.3	90.4	90.3	90.3	90.4	90.4	90.4	90.4	90.3	90.4	90.3
λnm	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990
τ	90.3	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.5	90.5	90.6	90.6	90.6	90.7	90.7	90.6
λnm	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190
τ	90.7	90.8	90.7	90.7	90.7	90.8	90.8	90.7	90.7	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	91.0	90.9	90.9
λnm	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390
τ	90.9	90.9	90.9	91.0	91.0	91.0	90.9	90.9	91.0	91.0	91.0	91.0	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
λnm	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590
τ	90.9	90.9	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
λnm	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790
τ	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.0	91.0	90.9	90.9	90.9	90.9	90.8	90.8	90.7	90.7	90.7	90.6
λnm	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990
τ	90.6	90.6	90.6	90.5	90.5	90.5	90.4	90.4	90.4	90.3	90.3	90.3	90.2	90.2	90.2	90.1	90.1	90.1	90.0	90.0
λnm	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950
τ	89.9	89.8	89.3	88.8	88.0	87.4	87.5	87.4	86.9	84.9	84.4	84.0	83.5	82.5	79.4	45.1	30.7	28.4	26.9	25.5
λnm	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550	3600	3650	3700	3750	3800	3850	3900	3950
τ	24.1	22.5	20.7	19.0	17.5	16.1	14.9	13.8	12.8	12.0	11.4	11.1	11.3	11.5	11.6	12.5	13.7	15.2	15.6	15.4
λnm	4000	4050	4100	4150	4200	4250	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950
τ	14.9	14.2	13.5	12.5	11.0	9.1	7.1	5.1	3.3	1.9	0.9	0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
λnm	5000																			
τ	0.0																			



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