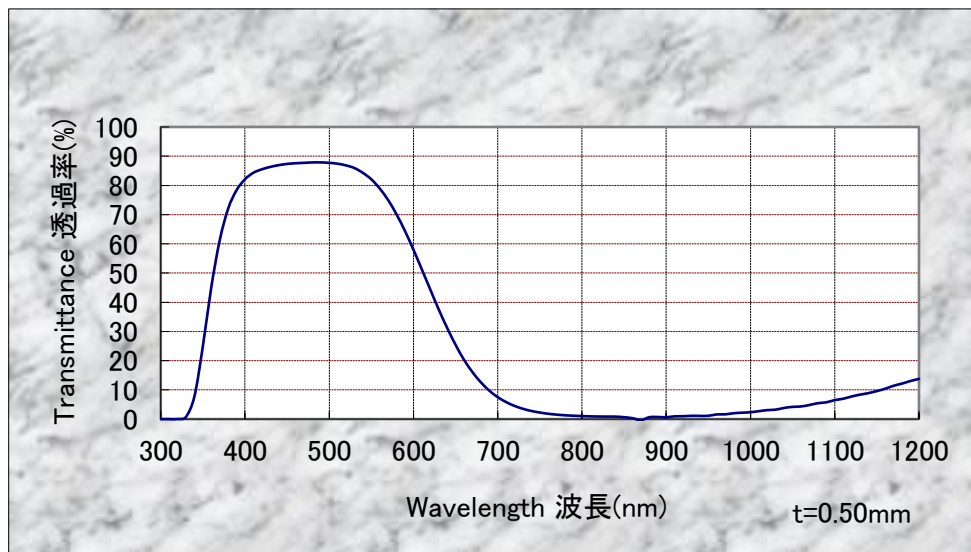


Product : BS7



T=0.50mm

λ	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500
T	0.0	0.0	0.0	0.7	7.7	24.9	45.1	61.1	72.0	78.3	82.1	84.3	85.5	86.3	86.9	87.3	87.5	87.7	87.8	87.8	87.7
λ	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710
T	87.4	86.8	85.9	84.2	82.0	78.9	74.9	70.0	64.3	57.9	51.1	44.3	37.5	31.2	25.4	20.2	16.0	12.5	9.7	7.5	5.8
λ	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920
T	4.5	3.5	2.7	2.2	1.8	1.5	1.3	1.1	1.0	0.9	0.8	0.8	0.8	0.6	0.5	0.6	0.6	0.7	0.7	0.9	0.9
λ	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130
T	1.0	1.1	1.1	1.6	1.6	2.0	2.1	2.3	2.7	3.0	3.2	3.8	4.1	4.3	4.8	5.3	5.7	6.4	6.9	7.7	8.3
λ	1140	1150	1160	1170	1180	1190	1200														
T	8.8	9.5	10.4	11.4	12.1	13.0	13.7														

λ = Wavelength(nm) T = Transmittance(%)

<Characteristics>

Product name	BS7
Refractive index (nD)	1.640
Expansion coefficient α[10 ⁻⁷ /°C]	112 (100/300)
Transition point Tg [°C]	503
Deformation point At [°C]	556
Softening point Ts [°C]	603
Knoop hardness Hk	325 (100g/15sec)
Density [g/cm ³]	3.55

60°C/90% RH (non-coated)	1000HR
Optical property (non-coated)	Thickness 0.50mm
300nm	82.1%
400nm	87.7%
500nm	57.9%
600nm	7.5%
Half maximum (50%)	611nm
Composition type	Phosphoric
RoHS regulated substances	Not contained
Halogenated substances	Not contained
Antimony compound	Contained

<Spectral characteristics>

Thickness(mm)	0.110	0.145	0.210	0.218	0.300	0.500	0.700	0.800	1.00
Half maximum (50%)	710nm	684nm	657nm	655nm	636nm	611nm	598nm	592nm	584nm
400nm	89.7%	89.0%	87.7%	87.5%	85.9%	82.1%	78.4%	76.6%	73.2%