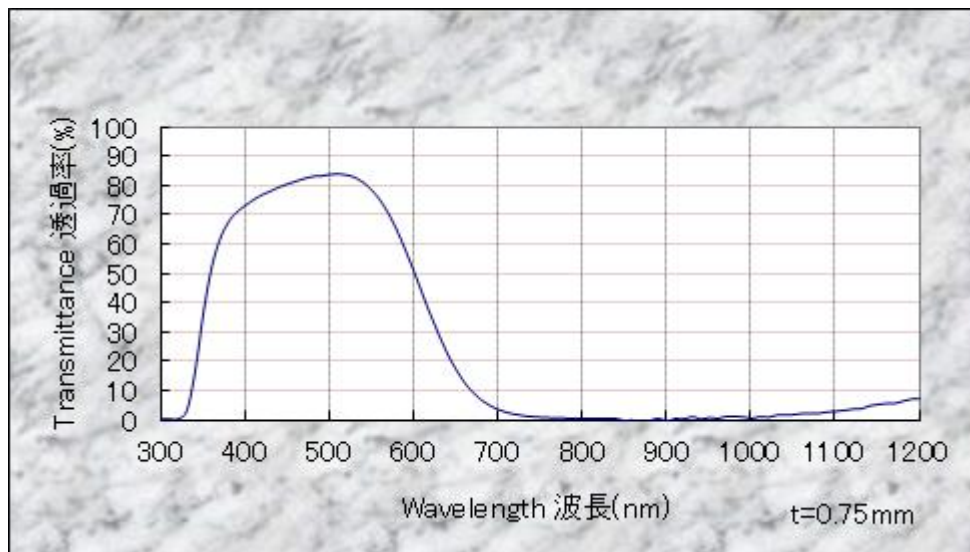


Product : **BS12**



T=0.75mm

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	2.6	16.0	36.3	52.3	61.8	67.6	70.9	73.1	75.2	76.8	78.0	79.1	80.4	81.4	82.3	83.0	83.2	83.7
λ	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710
T	83.9	83.5	82.6	80.9	78.1	74.7	70.0	64.3	57.5	50.3	42.6	35.1	28.3	22.0	16.8	12.3	9.0	6.4	4.5	3.2	2.2
λ	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920
T	1.6	1.1	0.8	0.6	0.4	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
λ	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130
T	0.1	0.2	0.5	0.5	0.6	0.7	0.7	0.8	0.8	1.0	1.3	1.3	1.5	1.9	1.9	2.0	2.4	2.7	2.9	3.4	3.5
λ	1140	1150	1160	1170	1180	1190	1200														
T	4.5	4.9	5.3	5.3	6.2	6.8	7.0														

λ = Wavelength(nm) T=Transmittance(%)

<Characteristics>

Product name	BS12
Refractive index (nD)	1.614
Expansion coefficient α[10 ⁻⁷ /°C]	113 (100/300)
Transition point Tg [°C]	513
Deformation point At [°C]	555
Softening point Ts [°C]	628
Knoop hardness Hk	353 (100g/15sec)
Density [g/cm ³]	3.64

60°C/90% RH (non-coated)	1000HR
Optical property (non-coated)	Thickness 0.75mm
300nm	73.1%
400nm	83.7%
500nm	50.3%
600nm	3.2%
Half maximum (50%)	600nm
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%)	723nm	694nm	665nm	663nm	643nm	618nm	603nm	598nm	589nm
400nm	88.9%	88.0%	86.2%	86.0%	83.9%	78.9%	74.2%	72.0%	67.7%