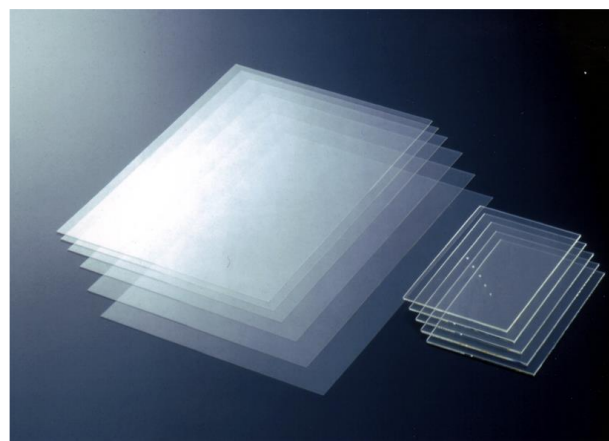
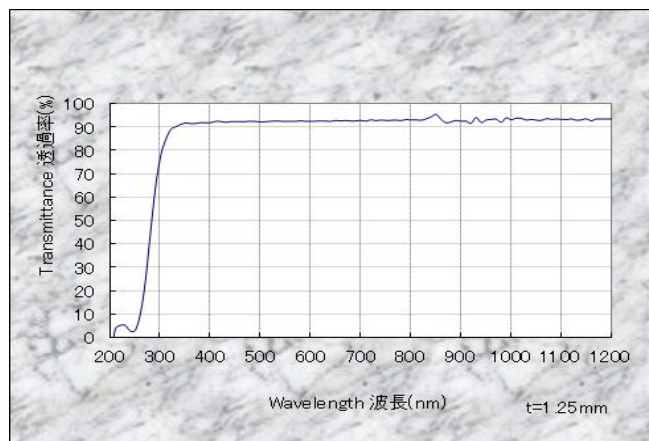


Segment : Substrate for optical wave guide

MATSUNAMI GLASS IND., LTD.

Product : UV2743-16



T=1.25mm

λ	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400
T	0.0	3.7	5.3	5.2	2.8	3.2	10.1	24.0	44.4	63.8	77.2	84.2	88.8	90.0	91.1	91.8	91.5	91.5	91.9	91.9	91.9
λ	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610
T	92.4	92.4	92.0	92.3	92.3	92.3	92.4	92.5	92.4	92.2	92.3	92.5	92.4	92.5	92.4	92.5	92.5	92.7	92.4	92.5	92.5
λ	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820
T	92.6	92.6	92.5	92.8	92.7	92.8	92.6	92.6	92.8	92.5	93.1	92.7	93.0	92.8	92.9	93.0	92.7	93.2	93.0	93.1	92.9
λ	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000	1010	1020	1030
T	93.4	94.3	95.4	93.9	91.8	92.2	92.8	92.4	92.6	91.6	94.1	91.9	93.0	93.3	93.4	92.1	93.9	93.1	93.8	93.7	93.0
λ	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200				
T	93.2	93.0	92.8	93.6	93.3	93.4	93.3	93.2	93.5	92.9	93.1	93.5	92.7	93.5	93.4	93.4	93.5				

λ = Wavelength(nm) T=Transmittance(%)

<Characteristics>

Product name	UV2743-16
Refractive index (nD)	1.4965
Expansion coefficient α[10 ⁻⁷ /°C]	58.0 (100/300)
Transition point Tg [°C]	576
Deformation point At [°C]	625
Softening point Ts [°C]	710
Young's modulus [10 ³ kg/mm ²]	7.75
Poisson's ration	0.23
Thermal conductivity [W/m · k]	1.0
Specific heat [J/g · k]	0.8

Knoop hardness Hk	500 (100g/15sec)
Color	Achromatic
Density [g/cm ³]	2.34
Composition type	SiO ₂ -Al ₂ O ₃ -Na ₂ O
RoHS regulated substances (Pb,Hg,Cr(VI),Cd)	Not contained
Halogenated substances (F,Cl,Br,I)	Not contained
Antimony compound	N/A