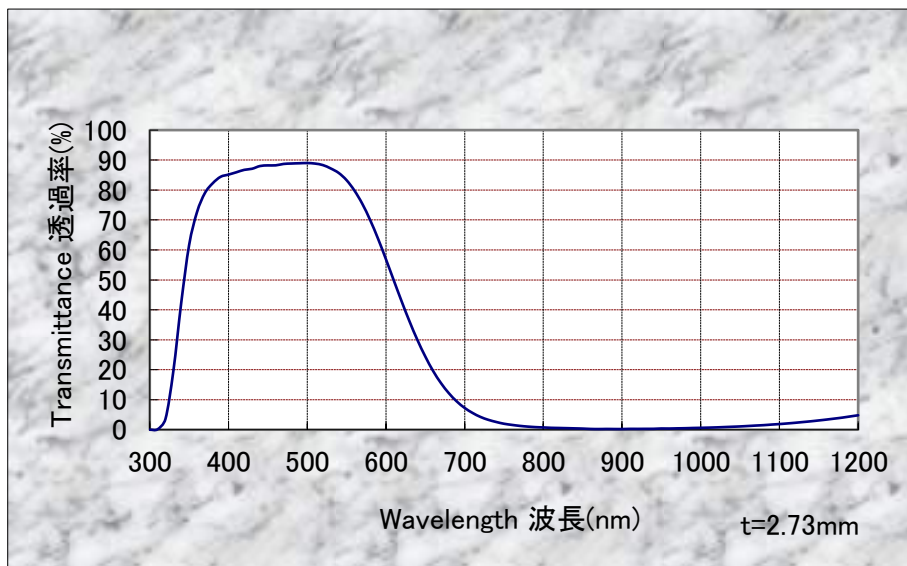


Segment :Thicker IR absorption filter (for color correction )

MATSUNAMI GLASS IND., LTD.

Product : IR585



T=2.73mm

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	0.1	3.6	19.6	42.3	61.6	72.6	78.9	82.2	84.4	85.1	85.9	86.7	87.1	88.0	88.2	88.2	88.7	88.8	88.9	89.0
λ	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710
T	88.8	88.3	87.1	85.7	83.3	79.8	75.4	69.9	63.7	56.9	49.8	42.8	36.1	29.9	24.4	19.5	15.5	12.1	9.4	7.2	5.6
λ	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920
T	4.2	3.3	2.5	1.9	1.6	1.2	1.0	0.8	0.7	0.6	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
λ	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130
T	0.2	0.3	0.4	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.5	1.7	1.8	2.0	2.3	2.5
λ	1140	1150	1160	1170	1180	1190	1200														
T	2.8	3.0	3.3	3.7	4.0	4.4	4.8														

λ = Wavelength(nm) T=Transmittance(%)

### < Characteristics >

Product name	IR585
Refractive index (nD)	1.525
Expansion coefficient α[10-7/°C]	70 (100/300)
Transition point Tg [°C]	574
Deformation point At [°C]	622
Softening point Ts [°C]	660
Knoop hardness Hk	410 (100g/15sec)
Density [g/cm <sup>3</sup> ]	2.69

60°C/90% RH (non-coated)	500HR
Optical property (non-coated)	Thickness 2.73mm
300nm	85.1%
400nm	89.0%
500nm	56.9%
600nm	7.2%
Half maximum (50%)	610nm
Composition type	Phosphoric
RoHS regulated substances	Not contained
Halogenated substances	Fluorine contained
Antimony compound	Contained

### < Spectral characteristics >

Thickness(mm)	0.50	1.00	1.50	2.00	2.20	2.40	2.60	2.80	3.00
Half maximum (50%)	730nm	665nm	639nm	624nm	619nm	615nm	612nm	609nm	606nm
400nm	90.7%	89.4%	88.1%	86.9%	86.4%	85.9%	85.4%	84.9%	84.5%