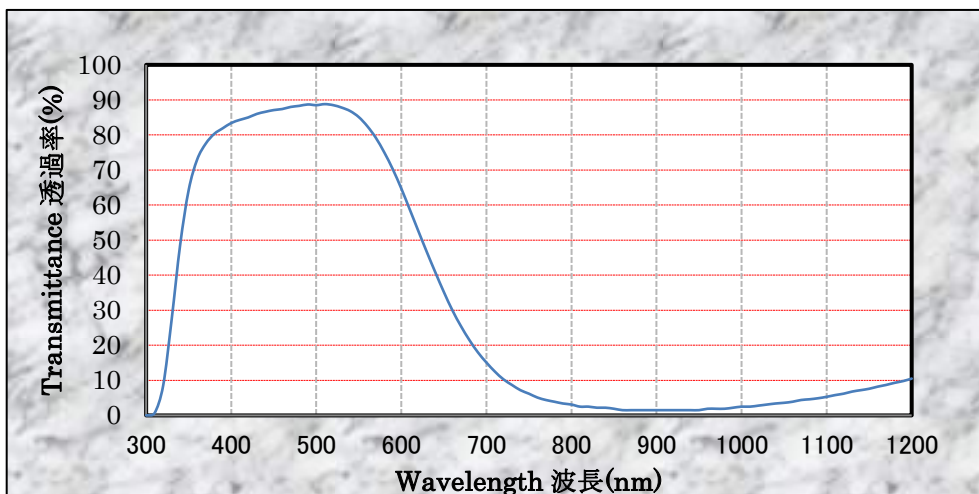


Segment : IR absorption filter (for color correction/alpha particle)

MATSUNAMI GLASS IND., LTD.

Product : IR584-13α



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	0.7	8.5	27.4	48.7	64.3	73.0	77.5	80.3	81.9	83.4	84.3	85.0	86.0	86.6	87.1	87.4	88.0	88.3	88.7	88.5
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	88.5	87.8	86.8	85.1	82.5	79.2	75.0	70.2	64.7	58.7	52.6	46.6	40.8	35.2	30.0	25.5	21.5	18.0	15.1	12.5
λ	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920
T	10.3	8.7	7.2	6.2	5.1	4.4	3.9	3.3	3.1	2.5	2.5	2.2	2.2	1.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5
λ	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130
T	1.5	1.5	1.5	1.9	1.9	1.9	2.2	2.5	2.5	2.8	3.1	3.4	3.6	3.9	4.4	4.6	4.9	5.3	5.8	6.2	6.8
λ	1140	1150	1160	1170	1180	1190	1200														
T	7.2	7.6	8.2	8.7	9.3	9.8	10.5														

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

### <Characteristics>

Product name	IR584-13α
Refractive index (nD)	1.527
Expansion coefficient α[10 <sup>-7</sup> /°C]	67.0 (100/300)
Transition point Tg [°C]	570
Deformation point At [°C]	631
Softening point Ts [°C]	665
Knoop hardness Hk	410 (100g/15sec)
Density [g/cm <sup>3</sup> ]	2.68
alpha particle counts	<0.01count/cm <sup>2</sup> · hr

60°C/90% RH (non-coated)	1000HR
Optical property (non-coated)	Thickness 0.75mm
300nm	83.40%
400nm	88.50%
500nm	64.70%
600nm	15.10%
Half maximum (50%)	622nm
Composition type	Phosphoric
RoHS regulated substances	Not contained
Halogenated substances	Fluorine contained
Antimony compound	Not 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%)	754nm	715nm	679nm	676nm	653nm	622nm	608nm	603nm	594nm
400nm	90.1%	89.5%	88.4%	88.4%	86.9%	83.4%	83.6%	80.0%	77.2%