



T=3.00

λ	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500
T	5.7	19.1	38.6	47.6	67.5	27.5	44.8	79.5	13.7	87.4	90.1	85.2	89.4	79.2	87.5	79.3	78.2	76.8	77.4	65.6	77.2
λ	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710
T	48.1	2.2	82.8	75.0	82.8	86.0	13.5	1.8	12.6	62.1	89.9	89.0	87.4	87.3	52.9	75.1	81.1	76.9	84.8	90.3	90.3
λ	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920
T	88.3	62.7	12.1	20.8	61.8	82.4	76.7	34.7	5.1	28.2	61.4	63.3	88.9	79.2	64.6	61.4	66.5	75.6	83.4	88.1	90.0
λ	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130
T	90.6	89.9	86.9	82.2	79.4	79.8	83.3	87.2	89.5	90.5	91.0	91.1	91.3	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3
λ	1140	1150	1160	1170	1180	1190	1200														
T	91.4	91.4	91.4	91.4	91.4	91.4	91.4														

λ = Wavelength(nm) T=Transmittance(%)

<Characteristics>

Product name	IR5188
Refractive index (nD)	1.529
Expansion coefficient α [10 ⁻⁷ /°C]	80.0 (100/300)
Transition point Tg [°C]	522
Deformation point At [°C]	565
Softening point Ts [°C]	638
Young's modulus [10 ³ kg/mm ²]	6.3
Poisson's ration	0.22
Thermal conductivity [W/m · k]	—
Specific heat [J/g · k]	—

Knoop hardness Hk	430(100g/15sec)
Color	Achromatic
Density [g/cm ³]	2.66
Composition type	Phosphate
RoHS regulated substances (Pb,Hg,Cr(VI),Cd)	Not contained
Halogenated substances (F,Cl,Br,I)	Not contained
Antimony compound	Contained