ISUZU GLASS
五鈴精工硝子株式会社

ISUZU	Similar Filter			Glass Type	Thermal characteristic		Hardness	Refractive index	Density	Durability	Thickness	Transmittance	Size (mm)		Thickness (mm)	
	SCHOTT	HOYA	AGC TECHNO		$\alpha_{100-300}$ (X 10^{-7}/℃)	Tg (℃)	HK (kg/mm^2)	n_d		R_w	t(mm)		Maximum	Minimum	Maximum	Minimum
ISK150	KG 2	HA-50		P_2O_5-Al_2O_3	66	560	497	1.516	2.60	1	3.0±0.5	$\lambda T_{50\%}$ 728±13nm, $T_{ave\,\lambda\,400\sim550nm}$≧84%	290×210	φ5	7	1
ISK153				P_2O_5-Al_2O_3	66	566	481	1.522	2.61	1	3.0±0.5	$\lambda T_{50\%}$ 703±13nm, $T_{ave\,\lambda\,400\sim550nm}$≧80%	290×210	φ5	7	1
ISK157	KG 1	HA-30	(IRA-25S)	P_2O_5-Al_2O_3	66	566	481	1.518	2.61	1	3.0±0.5	$\lambda T_{50\%}$ 698±13nm, $T_{ave\,\lambda\,400\sim550nm}$≧80%	290×210	φ5	7	1
ISK167	KG 3			P_2O_5-Al_2O_3	65	597	502	1.520	2.64	1	3.0±0.5	$\lambda T_{50\%}$ 668±13nm, $T_{ave\,\lambda\,400\sim550nm}$≧78%	290×210	φ5	7	1
ISK171	KG 5			P_2O_5-Al_2O_3	64	595	517	1.529	2.63	1	3.0±0.5	$\lambda T_{50\%}$ 643±13nm, $T_{ave\,\lambda\,400\sim550nm}$≧70%	290×210	φ5	7	1
ISK370	(KG 4)			P_2O_5-Al_2O_3	67	553	482	1.509	2.58	1	3.0±0.5	$\lambda T_{50\%}$ 783±13nm, $T_{ave\,\lambda\,400\sim550nm}$≧87%	290×210	φ5	7	1
ITY385	(GG 385)	L-39	(L-39)	SiO_2-B_2O_3	53	498	472	1.485	2.30	6	1.1±0.2	$\lambda_{T50\%}$ 385±3nm, T_H ≧85%	100×100	5×5	4	0.5
ITY418	GG 420	L-42	(L-42)	SiO_2-B_2O_3	68.5	517	491	1.487	2.38	4	1.1±0.2	$\lambda_{T50\%}$ 418±3nm, T_H ≧85%	100×100	5×5	4	0.5
ITY425				SiO_2-B_2O_3	68	529	512	1.503	2.40	4	1.1±0.2	$\lambda_{T50\%}$ 425± 3nm, T_H ≧85%	100×100	5×5	4	0.5
ITY430			(Y-43)	SiO_2-B_2O_3	68	530	520	1.505	2.39	4	1.1±0.2	$\lambda_{T50\%}$ 430±3nm、T_H ≧85%	100×100	5×5	4	0.5
IEC501	BG 18			P_2O_5-Al_2O_3	66	598	539	1.526	2.63	1	1.0±0.2	$\lambda_{T50\%}$ 592±5nm, 500nm≧77%	150×150	φ6	3.6	0.28
IEC505				P_2O_5-Al_2O_3	66	588	563	1.515	2.58	1	1.0±0.2	$\lambda_{T50\%}$ 702±5nm, 500nm≧89%	150×150	φ6	3.6	0.28
IEC508	BG 38	(CAW-500) (CS-500)		P_2O_5-Al_2O_3	94	432	489	1.532	2.64	2	1.0±0.2	$\lambda_{T50\%}$ 642±5nm, 500nm≧89%	150×150	φ6	3.6	0.28
IEC511			(C-500S)	P_2O_5-Al_2O_3	60	588	526	1.523	2.62	1	1.0±0.2	$\lambda_{T50\%}$ 622±5nm, 500nm≧86%	150×150	φ6	3.6	0.28
IEC518		C-500		P_2O_5-Al_2O_3	69	565	531	1.531	2.66	1	1.0±0.2	$\lambda_{T50\%}$ 615±5nm, 500nm≧87%	150×150	φ6	3.6	0.28
IEC578	BG 39	CM-500S		P_2O_5-Al_2O_3	70	513	509	1.540	2.72	1	1.0±0.2	$\lambda_{T50\%}$ 604±5nm, 500nm≧85%	150×150	φ6	3.6	0.28
IEC121K				P_2O_5-Al_2O_3	135	421	419.6	1.511	2.59	3	1.0±0.2	400nm ≧68%, 500nm ≧82% 600nm ≧33%, 700nm ≦5%	150×150	φ10	5	0.28
ING125	NG 4	ND-25	(ND-25)	SiO_2-B_2O_3	77	523	569	1.525	2.55	3	1.2±0.2	Tave $\lambda_{400-700}$ 25±5%	100×100	10×10	3	0.8
ING250	NG 5	ND-50	(ND-50)	SiO_2-B_2O_3	79	532	571	1.522	2.55	2	1.2±0.2	Tave $\lambda_{400-700}$ 50±5%	100×100	10×10	3	0.8
ING375	NG 11			SiO_2-B_2O_3	80	535	625	1.523	2.55	1	1.2±0.2	Tave $\lambda_{400-700}$ 75±5%	100×100	10×10	3	0.8
ING460		ND-60		SiO_2-B_2O_3	85	536	566	1.521	2.54	3	1.2±0.2	Tave $\lambda_{400-700}$ 60±5%	100×100	10×10	3	0.8
ILB90				SiO_2-B_2O_3	110	502	576	1.505	2.53	2	2.4±0.5	Light Balancing Change Ability - 90±5mired	60×60	20×20	2	2
IVG530	VG 9	G-530	(G-53S)	P_2O_5-Al_2O_3	86	535	492	※2: 1.515	2.57	4	2.5±0.5	λT_{max} 530±5nm, T_{max} 50±5% 430nm ≦1%, 650nm ≦5%	150×150	φ10	7	1
IVG540			(G-54)	P_2O_5-Al_2O_3	86	535	495	※2: 1.516	2.58	3	2.5±0.5	λT_{max} 540±5nm, T_{max} 45±5% 430nm ≦1%, 660nm ≦5%	150×150	φ10	7	1
IVG550		G-550		P_2O_5-Al_2O_3	85	528	482	※2: 1.521	2.58	3	2.5±0.5	λT_{max} 550±5nm, T_{max} 43±5% 440nm ≦1%, 680nm ≦5%	150×150	φ10	7	1
IEB340	(BG 24)			P_2O_5-Al_2O_3	58	623	537	※2: 1.513	2.64	2	1.0±0.2	254nm ≧78%, 356nm ≧87% 580nm ≦15%	150×150	φ10	7	0.5
IEB400	BG 25			SiO_2-K_2O	105	469	559	※4: 1.521	2.57	2	1.0±0.2	334nm ≦74%, 405nm ≧84% 448nm ≧38%, 725nm ≦36%	150×150	φ10	7	0.5
IEB470	(BG 23)			P_2O_5-Al_2O_3	148	424	407	※1: 1.526	2.69	3	1.0±0.2	450nm ≧84%, 633nm≦23% 800nm ≦8%	150×150	φ10	7	0.5
IHU290			(UV-29)	SiO_2-B_2O_3	49	513	571	1.496	2.31	3	2.5±0.5	λT 290±7nm $\Delta\lambda$ < 40	120×120	φ10	5	1
IHU310			(UV-31)	SiO_2-CaO-Na_2O	94	533	542	1.517	2.55	3	2.5±0.5	λT 310±7nm, $\Delta\lambda$ < 40, T_H ≧85%	260×260	φ10	5	1
IHU340		(UV34)		P_2O_5-Al_2O_3	58	610	433	1.516	2.57	1	2.5±0.5	λT 340±7nm, $\Delta\lambda$ < 40, T_H ≧85%	260×260	φ10	5	1
IHU350			(UV-35)	SiO_2-B_2O_3	74	534	610	1.517	2.45	2	2.5±0.5	λT 350±7nm, $\Delta\lambda$ < 40, T_H ≧85%	260×260	φ10	5	1
IUV340		U-340		P_2O_5-Al_2O_3	59	600	493	※3: 1.526	2.64	2	1.0±0.2	λT_{max} 340±10nm, T_{max} 83±5%	150×150	φ20	5	2
IUV360				SiO_2-K_2O	99	572	561	※3: 1.527	2.60	3	2.5±0.5	λT_{max} 360±5nm, T_{max} 86±5%	150×150	φ20	5	2
IUV365			(UVD-36B)	P_2O_5-Al_2O_3	74	536	506	※4: 1.528	2.66	3	5.0±0.5	λT_{max} 365±5nm, T_{max} 60±5% 254nm ≦0.1%, 405nm ≦1%	150×150	φ20	5	2
IIR-SF1				S-Sb-Sn-Ge	※6: 156.4	260	134	※5: 2.715	4.13	1	2.0±0.3	11μm ≧ 50%	φ60	φ10	5	1

※6: $\alpha_{100-200}$

※1: n(546nm)
※2: n(632.8nm)
※3: n(831.8nm)
※4: n(1545nm)
※5: n(10.6μm)

Notes)
① Durability is based on "Measuring Method for Cemical Durability of Optical Glass (Powder Method)"of "Japanese Optical Glass Industrial Standards".
② Hardness is based on "Measuring Method for Knoop Hardness of Optical Glass" of "Japanese Optical Glass Industrial Standards".
③ We are able to accept variety of shapes such as circle or trapezoid. Please consult us.
④ It may be possible to manufacture the size you require even if it is outside of size Min/Max range, so please feel free to ask.
Our standard size may not always be available from stock.
⑤Similar filters with ( ) might not be manufactured by other makers at present.
⑥Above filters are possible to mass production.

Date : 22/Feb/2010