

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

6: 100-200

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

Notes)

Durability is based on "Measuring Method for Cemical Durability of Optical Glass (Powder Method)" of "Japanese Optical Glass Industrial Standards".

Hardness is based on "Measuring Method for Knoop Hardness of Optical Glass" of "Japanese Optical Glass Industrial Standards".

We are able to accept variety of shapes such as circle or trapezoid. Please consult us.

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.

Similar filters with () might not be manufactured by other makers at present.

Above filters are possible to mass production.