Glavenir Spec Sheet

Glass Type	Thickness	Structure	Optical Performance				Thermal Performance			Size	
			Visible Light Transmittance	Visible Light Reflectance	Solar Transmittance	Solar Reflectance	Thermal Transmittance U-value	Solar heat gain coefficient	Shading Coefficient	Max	Min
	(mm)	(mm)	(%)	(%)	(%)	(%)	W/(㎡·K)	(ηA)	S·C	(mm)	(mm)
Annealed VIG	5.7	2.8+0.1+2.8	75	17.7	39	50	0.7	0.39	0.44	2300×1300	150 x 150

[1]The values on this sheet are reference values and measured by Panasonic, referring to ISO 9050(JIS R3106-1998).
(Tempered LPT4's Transmittance and Reflectance values are calculated as a single glass sheet.)

[2]The Thermal Transmittance value is measured at the centre of VIG and measured in line with Panasonic Standard.
The values are measured under the following condition: top side 10℃, bottom side 30℃, the heat conductance is measured at the centre of test specimens (600mm x 600mm) by means of Heat flow meter method and calculated with glass surface heat conductance 0.05W/m2K and 0.12W/m2K.)

[3] Solar heat gain coefficient and Shading coefficient are measured by Panasonic refering to ISO 9050(JIS R3106-1998) and calculated as reference.
(Solar heat gain coefficient and shading coefficient are measured from sheet glass before VIG assembly and calculated based on Panasonic Standard.)

・the values on this sheet are measured by Panasonic and calculated as general value, therefore they are not meant to guarantee the performance.

・The spec and structure can change without notice and the performance also can differ along with the change.

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			Visible Light Transmittance	Visible Light Reflectance	Solar Transmittance	Solar Reflectance	Thermal Transmittance U-value	Solar heat gain coefficient	Shading Coefficient	Max	Min
	(mm)	(mm)	(%)	(%)	(%)	(%)	W/(㎡·K)	(ηA)	S·C	(mm)	(mm)
Super clear type (Tempered)	7.7	3.8+0.1+3.8	81	14	55	28	0.58	0.52	0.59	2540×1600	200×500

[1]The values on this sheet are reference values and measured by Panasonic, referring to ISO 9050(JIS R3106-1998).
(Tempered Low-E's Transmittance and Reflectance values are calculated as a single glass sheet.)

[2]The Thermal Transmittance value is measured at the centre of VIG and measured in line with Panasonic Standard.
The values are measured under the following condition: top side 10℃, bottom side 30℃, the heat conductance is measured at the centre of test specimens (600mm x 600mm) by means of Heat flow meter method and calculated with glass surface heat conductance 0.05W/m2K and 0.12W/m2K.)

[3] Solar heat gain coefficient and Shading coefficient are measured by Panasonic refering to ISO 9050(JIS R3106-1998) and calculated as reference.(Solar heat gain coefficient and shading coefficient are measured from sheet glass before VIG assembly and calculated based on Panasonic Standard.)

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Glavenir Sound Spec Sheet

Product Type	Structure	125	250	500	1K	2K	3K	4K
Glavenir 6.1 mm	LowE3+FL3	24.8	27.2	30.5	35.4	38.7	33.4	35
Glavenir 8.1 mm A Grade	LowE4+PT4 (Toughened)	25.8	29.1	31.5	37.3	39.6	34.1	36
Typical double glazing	LowE3/A12/FL3	23.2	23.5	27.3	36.6	46.4	39.7	32

Panasonic