



VITAL ULTRA CLEAR FLOAT GLASS TECHNICAL DATE

Thickness	Visible Light Transmitta	Visible Light Reflectivity	Solar radiating heat				Visor coefficient			U value (W/m2K)	Sound-insulated		Ultraviolet ray penetration
			Direct penetration	Reflection	Absorption	Total penetration	Short wave	Long wave	Overall		Rm(dB)	Rw(dB)	
3mm	91.5	8	91	8	1	91	1.05	0.01	1.05	5.8	26	30	76
3.2mm	91.5	8	91	8	2	91	1.03	0.01	1.05	5.8	26	30	75
4mm	91.4	8	90	8	2	91	1.03	0.01	1.05	5.8	27	30	73
5mm	91.3	8	90	8	2	90	1.03	0.01	1.03	5.8	29	32	71
6mm	91.1	8	89	8	3	90	1.02	0.01	1.03	5.7	29	32	70
8mm	90.9	8	88	8	4	89	1.01	0.01	1.02	5.7	31	34	68
10mm	90.6	8	88	8	4	89	1.01	0.02	1.02	5.6	33	36	66
12mm	90.4	8	87	8	5	88	1	0.02	1.01	5.5	34	37	64
15mm	90	8	86	8	6	87	0.99	0.02	1	5.5	35	38	61
19mm	89.7	8	84	8	7	86	0.97	0.02	0.99	5.5	37	40	59
22mm	89.6	8	82	8	9	85	0.95	0.02	0.97	5.5	38	43	58
25mm	89	8	81	8	9	84	0.93	0.02	0.95	5.5	39	45	56

Mechanical parameter:

Elastic modulus	73.1Gpa
Breaks off the modulus (final tensile strength)	41.4 Mpa
Vertical stroke degree of hardness	456kgf/mm2

Physical parameter:

Density	2.5076 g/cm3
Linear expansion coefficient:20-300℃	9.28×10-6/°C
20-450℃	9.75×10-6/°C
Inversion temperature	556°C
Softening point or yield point	606°C
Softening point	710°C
Annealing point	547°C
Should the point of force	513°C
High temperature viscosity log2	1392°C
log3	1152°C
log4	996°C
Liquid phase temperature	1008°C

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