

## Qingdao Kangdeli Industrial and Trading Co.,Ltd.

Thickness	Visible Light Transmittance	Visible Light Reflectivity	Solar Radiant coefficient				Shading coefficient			U value W/sqm.K	Sound insulation		UV penetration
			Direct Penetrate	Reflectivity	Absorb	Total Penetrate	Short Wave	Long Wave	Total		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	91.08	8	89	8	3	90	1.02	0.01	1.03	5.7	29	32	70
8mm	91.89	8	88	8	4	89	1.01	0.01	1.02	5.7	31	34	68
10mm	91.62	8	88	8	4	89	1.01	0.02	1.02	5.6	33	36	66
12mm	91.44	8	87	8	5	88	1.00	0.02	1.01	5.5	34	37	64
15mm	90.09	8	86	8	6	87	0.99	0.02	1.00	5.5	35	38	61
19mm	89.73	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	89.0	8	81	8	9	84	0.93	0.02	0.95	5.5	39	45	56

### Mechanical Parameters

Elasticity Modulus	73.1Gpa
Rupture Modulus(Tensile Strength-ultimate)	41.4 Mpa
Knoop hardness	456kgf /mm <sup>2</sup>

### Physical Parameters

Density	2.5076 g/cm <sup>3</sup>
20-300Centi-degree Linear Coefficient of Expansion 20-300 Centi-degree	9.28 × 10 <sup>-6</sup> / Centi-degree
Linear Coefficient of Expansion 20-450 Centi-degree	9.75 × 10 <sup>-6</sup> / Centi-degree
Transformation Temperature	556 Centi-degree
Intenerate Temperature or Yield Point	606 Centi-degree
Softening Point	710 Centi-degree
Annealing Point	547 Centi-degree
Strain point	513 Centi-degree
log2 High Temperature Viscosity log2	1392 Centi-degree
log3 High Temperature Viscosity log3	1152 Centi-degree
log4 High Temperature Viscosity log4	996 Centi-degree
Liquid Phase Temperature	1008 Centi-degree