



# RIDER GLASS COMPANY LIMITED

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## Performance Parameters --- SOLAR GLASS

S. L	Item	Performance Parameters
1	Thickness (mm)	3-10mm
2	Tolerance of Thickness (mm)	3.2-4±0.20
3	Max. Size (mm)	3500*2250
4	Poisson's Ration	0.2
5	Solar Direct Transmission	≥91.6%
6	Light Transmittance	≥92.4%
7	Iron Content (Fe <sub>2</sub> O <sub>3</sub> )	≤120ppm
8	Heat Conductivity (20°C)	1.06w/m <sup>2</sup> ·K
9	Overall Bow	≤0.2%
10	Density	2.5g/cm <sup>3</sup>
11	Young's Modulus	73 GPa
12	Tensile Strength	42 MPa
13	Thermal Expansion (Coefficient)	9.03*10 <sup>-6</sup>
14	Softening Point	720°C
15	Annealing Point	570°C
16	Strain Point	500°C
17	Hemispherical Emissivity	0.84
18	Fragment, impact & heat resistance performan	Meets SPF, EN12150-1:2000, GB15763.2-2005, JISR:1997
19	Optical performance	Meets EN410:1998, ISO9050:2003, JISR3106:1998