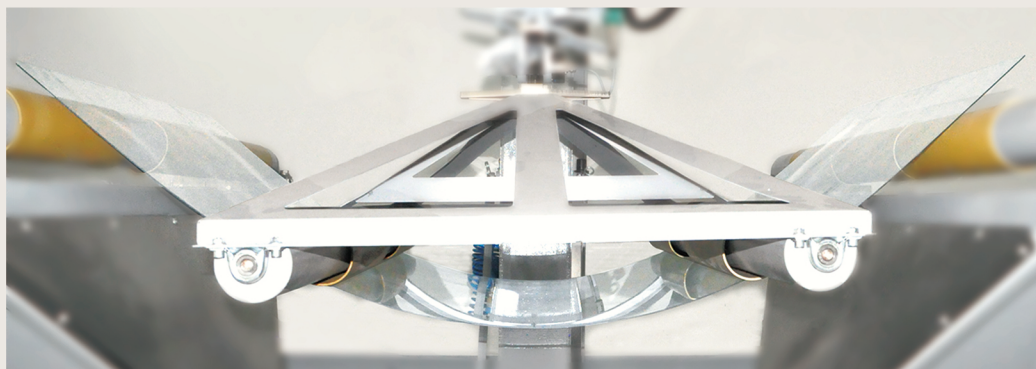


EagleLite® Glass

The thinnest thermally tempered glass for double glass module



Ultra-thin EagleLite® thermally tempered glass presents the ideal combination of durability and flexibility.

Unique air cushion tempering design enables large area ultra thin glass tempering with low cost physically tempering technology.

Precision edge processing and cutting.

Minimal optical distortion and non-existent roller marks ensure the optimum glass quality .

Lighter but tougher – 35% weight reduction compared to regular solar cover glass without sacrificing mechanical strength.

Higher light transmittance ensures higher solar module power output .

Almaden Reliability , Customer Confidence

As the world leading glass processing company, Almaden not only owns the world-class state of art production lines but also holds the technical strength in process control and production management. Pioneering in lightweight era, Almaden scored a first by bringing the flexible but super robust EagleLite® physically tempered glass to the solar industry.

Mechanical Characteristic

Items	Criteria	Results
Bending strength	Bending strength > 120Mpa	Pass
Static loads	Static pressure of 2400pa on glass for 2 hours	No damage
Impact resistance	Steel ball (227g) free-falling from 1m height	No damage

Optical Characteristic

Glass type	Transmittance (400-1100nm)
Low iron float glass	≥ 90%
Low iron prismatic/matt glass	≥ 91%

Dimensional Characteristic

Length and Width	Maximum dimension: 2200mm × 1200mm Minimum dimension: 550mm × 550mm Dimension tolerance: ±1mm
Thickness	2.0 ± 0.2mm
Chamfer	Width ≤ 2mm ± 1mm Length ≤ 2mm ± 1mm Angle ≤ 45 ± 20°
Diagonal difference	If diagonal is 0 - 1000mm, diagonal difference should not exceed 2mm If diagonal is 1000 - 3000mm, diagonal difference should not exceed 4mm

Planarity

Globe bow	≤ 0.3%
Local bow	≤ 0.167%

Glass Elemental Composition

Iron oxide	≤ 0.02%
Alkali (Na and K)	≤ 14.5%
Cerium	≤ 10 ppm

Almaden®