



## The 2nd Generation Silicone Membrane For Solar Laminators

Deer Hunter – Asia's leading manufacturer for speciality silicone sheets for solar PV panels lamination in the renewable energy market.

Although also called diaphragms, sheets, or membranes, the solar panel industry tends to use the term membrane.

**The 2nd Gen** is our original and most popular silicone membrane sheet – combining hi-elongation, good life cycle performance under controlled environments and very competitive pricing. It's available with both sides smooth or single sided fabric impression surface finish.

### Availability and Technical features

- Seamless (no weak point)
- Both sides gray color and silicone materials
- High temperature aramid fabric inserted in the middle
- Bond of the two layers cannot be separated mechanically
- Durability results in longer machine running times and thus shorter set-up times

### Technical Data

Item no.	The 2nd Generation
Compound	Silicone
Surface	Smooth/Smooth or Smooth/Textured
Color	Gray/Gray
Reinforcing layer	1 Ply Premium Grade Aramid Fabric Insert
Thickness	4±0.02mm
Hardness	70±2 Shore A
Density	1.25±0.05g/cm <sup>3</sup>
Tensile strength	12.5MPa
Tear strength	48N/mm
Max. temperature	250°C
Elongation	600%
Compression set	2%
Resilience	30%

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