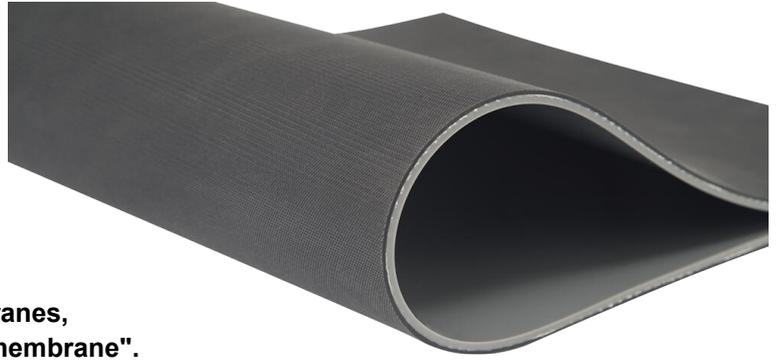




## Silicone Rubber Membrane For Solar Panels Lamination



While also referred to as diaphragms, sheets, or membranes, the solar panel industry commonly employs the term "membrane".

The **S5 Gen** Silicone Rubber Membrane is an exclusive laminate produced from a unique pressed composition giving extended life in solar panel production. The black covering layer combined with the gray silicone ensures good eva resistant ability and good life cycle performance even in the most critical applications.

### Key Benefits

- Excellent anti-ageing and acid & alkali resistance
- Extremely resistant to high temperatures up to 250°C
- Special FKM covering layer bonded onto silicone backing
- Over 10,000 lifecycles silicone diaphragm for solar panels lamination
- Designed to fit many brands of solar laminators like Spire, Burkle, NPC, Meier, 2BG, Ecoprogetti, 3S, Komax, Electro Solar, Spaleck-Stevens, Nisshinbo, P-Energy, Mondragon, Boostsolar, Orient, ZST, etc.

### Technical Data

Item no.	S5	
Compound	Silicone/FKM	
Surface	Smooth/Textured	
Color	Gray/Black	
Reinforcing layer	1 Ply Premium Grade Aramid Fabric Insert	
Thickness	4±0.02mm	
Hardness	Buffering layer (Gray Silicone)	EVA resistant working layer (Black FKM)
	60±2 Shore A	70±2 Shore A
Density	1.25±0.05g/cm <sup>3</sup>	1.95±0.05g/cm <sup>3</sup>
Tensile strength	8.5MPa	14MPa
Tear strength	30N/mm	45N/mm
Elongation	600%	180%
Compression set	4%	4%
Resilience	25%	8%
Max. temperature	250°C	