



The 5th-lite 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 5th-lite Gen Silicone Rubber Membrane is an exclusive laminate produced from a unique pressed composition giving extended life in solar panel production.

This brand new model gives users many benefits including:

- Recommended Operating Temperature: +250°C
- Anti-ageing + acid & alkali resistance
- Extended life - more than 8,000 / 10,000 cycles
- Special FKM covering layer bonded onto silicone backing
- Inseparable layers bonding together
- Special layer resistance to corrosive eva outgassing

Technical Data

Item no.	The 5th-lite Generation	
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 ³	1.95±0.05g/cm ³
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	