

# ... MATERIAL DATA SHEET

## VAC-SIL® LAMIN8LITE

A Unique Laminated Silicone and Polyolefin Solar / PV Membrane Material

PHYSICAL PROPERTIES			
PROPERTY	EVA RESISTANT WORKING SURFACE	BUFFERING SURFACE	COMPOSITE MATERIAL
COLOUR:	Black	Red	
HARDNESS:	65° Shore 'A' (+/-5°)	55° Shore 'A' (+/-5°)	60° Shore 'A' (+/-5°)
TENSILE STRENGTH:	8.5 MPa	8.5 MPa	6.6 MPa
ELONGATION @ BREAK:	315%	640%	660%
TEAR STRENGTH:	26 N/mm	31 N/mm	33 N/mm
RECOMMENDED OPERATING TEMPERATURE: 150°C			

**Limited Warranty:** For a period of 6 months from date of first sale, J-Flex warrants this product(s) to be free from defects in manufacturing. Our obligation will be to provide replacement product for any portion proving defective.

**Disclaimer:** The information contained in this document describes the features of the J-Flex product(s) as tested in a laboratory environment at a temperature of 23°C at 50% relative humidity (i.e. standard test procedures). It does not necessarily reflect the conditions of industrial use and it does not guarantee the product to be suitable for certain applications or life cycle length.

Vac-Sil® is a Registered Trademark of J-Flex

Issue 3

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**J-FLEX**

High Performance Elastomer Sheetings & Manufactured Components

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## VAC-SIL<sup>®</sup> LAMIN8LITE

VAC-SIL<sup>®</sup> LAMIN8 LITE is an exclusive laminate produced from a unique pressed composition giving extended life in solar panel production.

VAC-SIL<sup>®</sup> LAMIN8 LITE gives users many benefits including :-

- Anti-ageing + acid & alkali resistance
- Extended life - more than 3,000 / 5,000 cycles
- Special hybrid covering layer bonded onto silicone backing
- Inseparable layers
- Special layer resistance to corrosive eva outgassing(\*)

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**Note:** Whilst we quote a guide of 3,000 / 5,000 cycles, due to the many elements beyond our control in installation & operating environment, we cannot guarantee the exact life expectancy

(\*) **Outgassing:** refers to unwanted chemicals that are usually a bi-product of the process and temperature. These acidic fumes are emitted from adhesive or other components and can lead to corrosion of the Diaphragm / Membrane. This corrosion manifests itself in surface degradation (cracks) + excessive stretching & sagging.

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