

J-FLEX MATERIAL DATA SHEET



A Unique Laminated Silicone and Polyolefin Solar / PV Membrane Material

PHYSICAL PROPERTIES			
PROPERTY	EVA RESISTANT WORKING SURFACE	BUFFERING SURFACE	COMPOSITE MATERIAL
COLOUR:	Black	Green	
HARDNESS:	65° Shore 'A' (+/-5°)	55° Shore 'A' (+/-5°)	65° Shore 'A' (+/-5°)
TENSILE STRENGTH:	14 MPa	8.5 MPa	5.5 MPa
ELONGATION @ BREAK:	375%	700%	375%
TEAR STRENGTH:	30 N/mm	35 N/mm	35 N/mm
RECOMMENDED OPERATING TEMPERATURE		175°C	
REINFORCING LAYER:	1 Ply Premium Grade Polyester Fabric		

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 Rubber Products

Issue 2

January 2017



J-FLEX

Engineering Rubber Components & Specialised Sheeting Products

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www.j-flex.co.uk



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

VAC-SIL® LAMIN8 gives users many benefits including :-

- **Recommended Operating Temperature: 175°C**
- **Anti-ageing + acid & alkali resistance**
- **Extended life - more than 8,000 / 10,000 cycles**
- **Special hybrid covering layer bonded onto silicone backing**
- **Inseparable layers**
- **Special layer resistance to corrosive eva outgassing(*)**

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Note: We guarantee 10,000 cycles, however, due to the many elements beyond our control in installation & operating environment, we would require verification of any working conditions.

(*) **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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