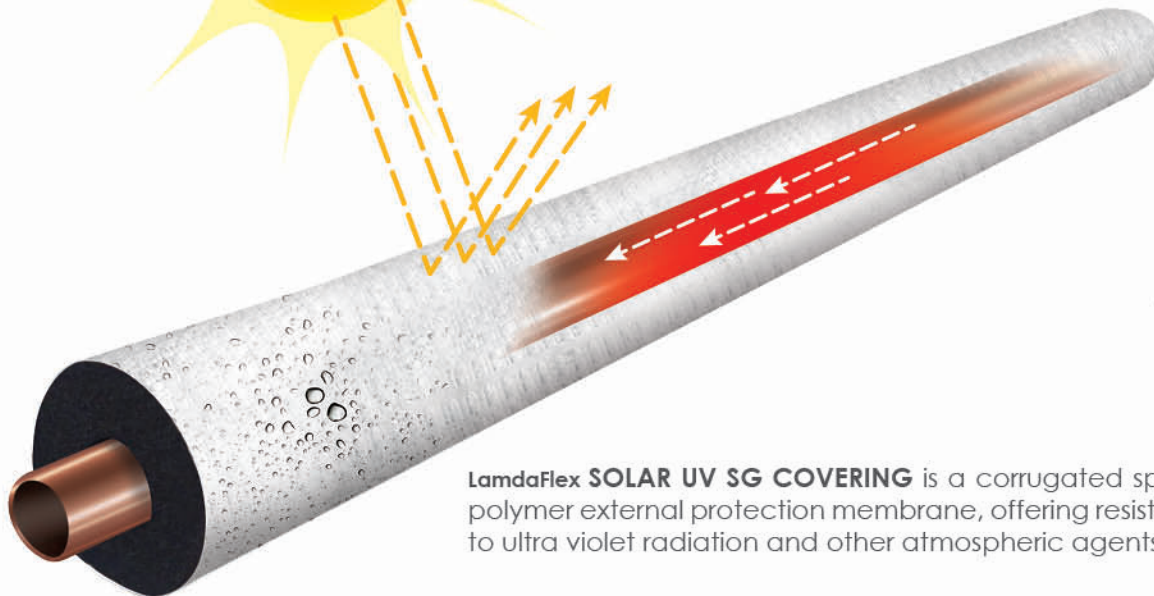


# Technical Data Sheet

 **LamdaFlex**<sup>®</sup>

## SOLAR UV SG COVERING



**LamdaFlex SOLAR UV SG COVERING** is a corrugated special polymer external protection membrane, offering resistance to ultra violet radiation and other atmospheric agents.



**Exterior  
Use**

Available in Insulation of: ISOPIPE TC (+110°C)

For more information please refer to ISOPIPE TC Technical Data Sheet (TDS).



**UV Protection:** Improved UV protection film with high temperature resistance up to 80°C.

**Permeability Barrier:** Improved water vapour transmission.

**Special PE Compound:** Chemical reaction with rubber, in order to achieve better adhesion capacity.



The technical information on LamdaFlex SOLAR SG COVERING continues on the next page. →



# Technical Data Sheet

## LamdaFlex®



LamdaFlex - is an NBR based flexible elastomeric foam insulation with significantly high percentage, 98.5%, of closed - cells.



Properties	Technical Data	TEST Methods	Lab/ TEST Reports
Thermal Conductivity ( $\lambda$ )	-20°C - 0.031 W/mk	EN 12667	Danish Technological Institute
	0°C - 0.033 W/mk		
	20°C - 0.035 W/mk		
	30°C - 0.036 W/mk		
Permeability ( $\mu$ )	$\geq 7000$	EN 13469, EN 12086	self monitoring
Operating Temperatures (°C)	-50°C to +110°C	EN 14707	MPANRW
Fire Rating (FR)	B-S2, d0	EN 13501-1	CSI Spa
	Class 0, Class 1	BS 476 p.6 & p.7 UNI 8457	Warrington Fire Research
	Class A or Class 1	ASTM E 84	Warrington Fire Research
	B <sub>1</sub> -S2, d0	IMO RES.MSC 61 (67) FTP	Siemens Axiva supervised by Bureau Veritas MARINE Division
	Low Flame Spread	code, annex 1, part 5	Bureau Veritas MARINE Division, LAPI, TUV Nordi Baltic Ltd, TNO. Swedcert
Density ( $\rho$ )	60 Kgr/m <sup>3</sup> , $\pm 10$ Kgr/m <sup>3</sup>	EN 13467 & EN 1602	self monitoring
Closed Cells	98.5%		
Thickness (Tolerances)	6, 9 & 13mm: $\pm 1\%$ 19mm: $\pm 2\%$	PrEN 13467	self monitoring
Diameter Tolerance	$\varnothing 6 - \varnothing 19$ : +1mm to +2mm	PrEN 13467	self monitoring
Dimensional Stability	1.5 - 3%	EN 1604	self monitoring
Fungi Resistance	Passed	ASTM G21	Quality Labs
Bacterial Resistance	Passed	ASTM E2180	Quality Labs
Tensile Strength (Pa)	>0.15 Mpa	EN ISO 1798	self monitoring
Elongation at Break	>150%	EN ISO 1798	self monitoring
Corrosion Resistance	Water soluble ions in accordance	EN 13468	ITC
Weather Resistance	Good		
Oil & Grease Resistance	Very good	ASTM D 471	self monitoring
Noise Reduction	Up to 30dB	DIN 4109	
CFC, HFC, HCFC	Free		
Odor	Neutral		

The mentioned values are these which have been measured in our laboratory, under typical conditions. They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

### Product Range



Pipes

### A wide range of Applications



Heating



Plumbing



Air  
Conditioning



Refrigeration



Solar  
Energy



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# Technical Data Sheet



## SOLAR UV SG COVERING



Properties	Technical Data	TEST Methods	Lab/ TEST Reports
Operating Temperatures (°C)	-40°C to +80°C	ISO 306	TUV Nord Baltic Ltd., TNO, Swedcert, EBETAM
Thickness	< 0.40mm: ±0.1mm	DIN 53370	self monitoring
Tensile Strength (Pa)	>0.10 Mpa	ASTM D 882	
Elongation at Break	>200%		
UV Resistance	Very good	ISO 4892-2	MIRTEC
Weather Resistance	Very good	ISO 4892-2	MIRTEC
Oil & Grease Resistance	Very good	ASTM D 471	self monitoring
Colour of LamdaFlex SOLAR UV SG Film	White		
Warranty	3 years		

The mentioned values are these which have been measured in our laboratory, under typical conditions. They can be modified without prior notice. You are kindly requested to assert their validity before any special use.

### Product Range



Pipes

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