

# **K-FLEX SOLAR HT**

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The perfect solution for solar panels and high temperature industrial processes up to 150°C. Revolutionary new packaging, tailor-made for the client, with practical and economical advantages for use and distribution.



# K-FLEX SOLAR HT

## INFO

Elastomeric EPDM (Ethylene-Propylene Diene Monomer) rubber based insulation with excellent mechanical properties suitable for high temperatures. Good UV resistance. The rational and convenient solution for solar panels and industrial processes up to 150 °C. A new, revolutionary box, tailor-made for the client, offering practical and economical advantages for use and distribution.

## K-FLEX SOLAR HT

**K-FLEX MALAYSIA** is part of **L'ISOLANTE K-FLEX spa**, Italian multinational company specialized in manufacturing of elastomeric thermal & acoustic insulation materials and a worldwide market leader presents the **K-FLEX SOLAR HT**.

**K-FLEX SOLAR HT** is an elastomeric insulation for high temperatures. **K-FLEX** takes into account the stringent norms of internationally accepted properties for the top-of-the-line insulation materials. **K-FLEX SOLAR HT** is an ideal solution for industrial and solar systems to increase the overall energy efficiency. **K-FLEX SOLAR HT** is an EPDM based insulation with excellent UV protection. **K-FLEX SOLAR HT** is a flexible yet tough insulation material which offers ease of installation along with durable life span.

**K-FLEX SOLAR HT** is classified as Class 0 complying to BS 476 Part 6 & 7. Thus offering an excellent fire resistance and use in multiple applications areas where the fire safety is paramount.

**K-FLEX SOLAR HT** is manufactured at our World-Class manufacturing facility in Klang, near Selangor with machineries & setup capable of manufacturing the products adhering to strict international standard. **K-FLEX** engages the best quality raw materials, manufacturing practices and quality management system to ensure a superior quality end product.

## TECHNICAL DATA

Property	Value/Assessment	Special Remark
Temperature Range	Max. service temperature: +150 °C Min. service temperature: -40 °C	Tested acc.to EN 14706, EN 14707
Thermal Conductivity	$\lambda \leq 0.040$ W/(m.K) at 0 °C $\lambda \leq 0.044$ W/(m.K) at 40 °C	Tested acc. to EN 13787, EN 12667 and EN ISO 8497
Corrosion prevention	pH neutral (7±0.5)	Tested acc. to EN 13468
Fire rating	Euroclass E	Tested acc. to EN 13501-1

**K-FLEX** reserves the right to change data and technical requirements without notice.

## K-FLEX SOLAR HT

“K-FLEX is the world’s leading manufacturer of elastomeric insulation systems. In twenty one production facilities around the world, including Poland, France, China, India, Malaysia, Dubai, Egypt, the UK and the USA some 5,000 employees develop and manufacture outstanding product solutions for thermal and acoustic insulation.

K-FLEX is committed to ensuring its products comply with the fire safety and industry-wide safety standards.

K-FLEX has 63 sales offices on five continents, offering premium service to more than 50,000 customers.

As the world’s fastest-growing company in the industry, K-FLEX is also a global player in the target markets of building services, refrigeration, air conditioning and ventilation, rail, shipping, automotive and beverage industries as well as the solar industry and OEM businesses.

K-FLEX has ISO 9001 and ISO 14001 certification.”

## PLANT TIMELINE



## ACCESSORIES

### SELF ADHESIVE FOAM TAPES



### PIPE SUPPORT



### K 414 GLUE





K-FLEX SOLAR HT tube is available in 2 meters length. In sheet form, K-FLEX SOLAR HT is available in roll or pre-cut sheet. All sheet material is available with or without self adhesive and/or self adhesive and aluminium foil.

## RANGE ▶ K-FLEX SOLAR HT TUBES (2 METRES)

Copper Pipe		Iron Pipe		6 • 1/4"		9 • 3/8"		13 • 1/2"		19 • 3/4"		25 • 1"		32 • 1 • 1/4"		40 • 1 • 1/2"		50 • 2"	
OC Inches	ø OD mm	IPS Inches	ø OD mm	size	m/box	size	m/box	size	m/box	size	m/box	size	m/box	size	m/box	size	m/box	size	m/box
1/4"	6					9x6	316	13x6	200	19x6	100								
3/8"	10	1/6"	10.2			9x10	220	13x10	152	19x10	80	25x10	52						
1/2"	12					9x13	200	13x13	128	19x13	72	25x13	50						
5/8"	15	1/4"	13.5	6x16	266	9x16	188	13x16	112	19x16	72	25x16	50						
3/4"	20			6x19	180	9x19	136	13x19	104	19x19	60	25x19	40	32x19	32				
7/8"	22	1/2"	21.3	6x22	180	9x22	128	13x22	98	19x22	60	25x22	38	32x22	24	40x22	18	50x22	12
1"	25			6x25	152	9x25	108	13x25	80	19x25	50	25x25	32	32x25	24	40x25	16	50x25	10
1.1/8"	28	3/4"	26.9	6x28	130	9x28	98	13x28	72	19x28	48	25x28	32	32x28	24	40x28	16	50x28	10
1.3/8"	35	1"	33.7	6x35	100	9x35	76	13x35	58	19x35	40	25x35	30	32x35	18	40x35	16	50x35	8
1.5/8"	42	1.1/4"	42.4	6x42	90	9x42	60	13x42	50	19x42	32	25x42	24	32x42	18	40x42	12	50x42	8
1.7/8"	48	1.1/2"	48.3			9x48	50	13x48	40	19x48	28	25x48	22	32x48	16	40x48	10	50x48	8
2.1/8"	54					9x54	46	13x54	40	19x54	24	25x54	18	32x54	14	40x54	10	50x54	8
2.3/8"	60	2"	60.3			9x60	46	13x60	32	19x60	22	25x60	18	32x60	12	40x60	8	50x60	8
3"	76	2.1/2"	76.1			9x76	40	13x76	30	19x76	18	25x76	12	32x76	8	40x76	8	50x76	6
3.1/2"	89	3"	88.9			9x89	36	13x89	24	19x89	18	25x89	12	32x89	8	40x89	8	50x89	6
4.1/2"	114	4"	114.3			9x114	30	13x114	24	19x114	14	25x114	8	32x114	6	40x114	6	50x114	4
		5"	139.8													40x140	4	50x140	4
		6"	165.2													40x168	4	50x168	4

## RANGE ▶ K-FLEX SOLAR HT SHEET IN ROLLS

Type	Thickness		Sheet 1.14 metre wide	
	mm	inches	format	m <sup>2</sup> /box
PL/RO 06	6	1/4"	30 x 1.14	34.20
PL/RO 10	10	3/8"	20 x 1.14	22.80
PL/RO 13	13	1/2"	14 x 1.14	15.96
PL/RO 16*	16	5/8"	12 x 1.14	13.68
PL/RO 19	19	3/4"	10 x 1.14	11.40
PL/RO 25	25	1"	8 x 1.14	9.12
PL/RO 32	32	1.1/4"	6 x 1.14	6.84
PL/RO 40	40	1.1/2"	4 x 1.14	4.56
PL/RO 50	50	2"	4 x 1.14	4.56

\* 16mm only available upon received Purchase Order from customer.  
\* 1.22m width will be available upon request.



Self adhesive sheets available in all sizes.

## PACKAGING ▶ K-FLEX SOLAR HT TUBES AND SHEETS

### K-FLEX SOLAR HT Tubes



Measurements:  
2.1m x 0.394m x 0.32m



### K-FLEX SOLAR HT Sheets

Polyethylene bags  
The bags allows for outdoor storage during the sorting stage.

Measurements:  
0.5m x 1.23m