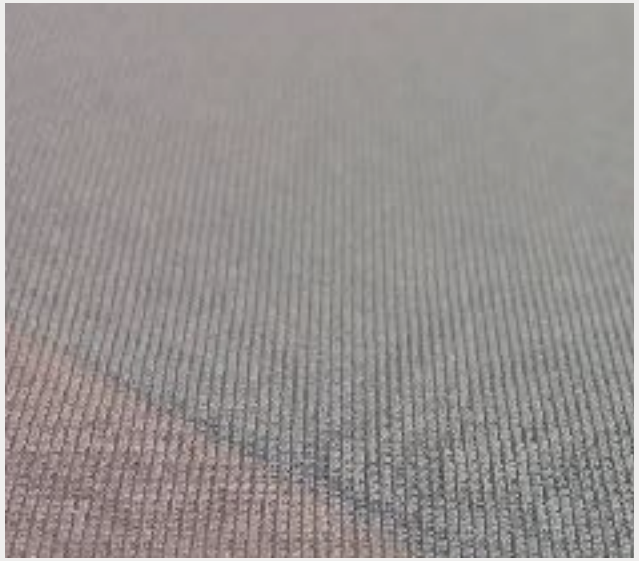
ComfortFabric Data Sheet

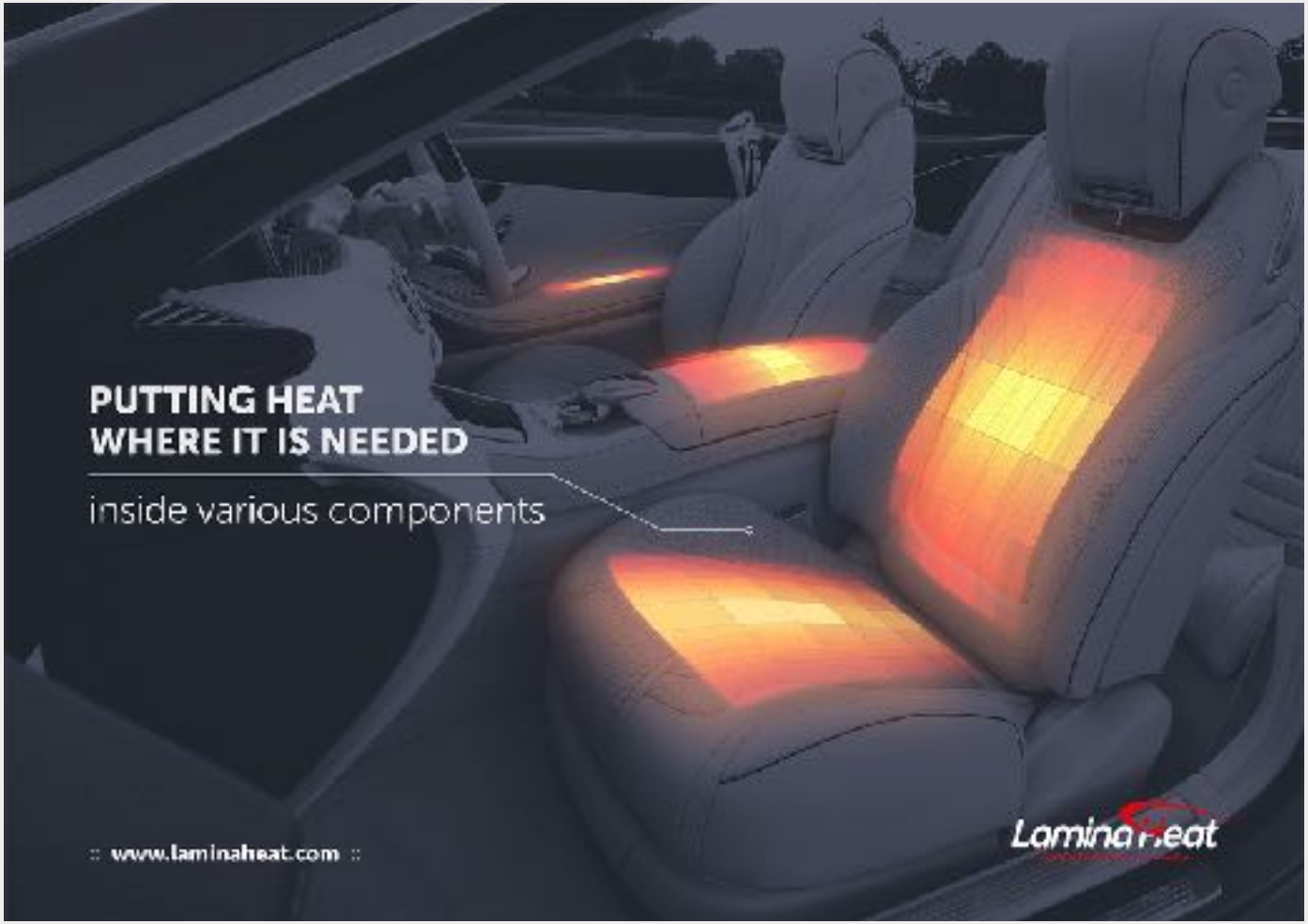
ComfortFabric can be combined with any woven or non-woven textile and will generate healthy warmth at almost 100% efficiency.



ComfortFabrics are soft, compilable and easily combine with products to provide quick acting full surface heating.

ComfortFabric is ideal for heated seats, work and leisure clothing, medical and physical therapy applications, heated blankets or mattresses.

The proprietary conductive fiber heating distribution ensures that 99.7% of the electrical energy is converted into heat energy which is important when low power sources like batteries are being used or maximums energy efficiencies are required.



ComfortFabric

Data Sheet

ENCAPSULATING MATRIX

(Standard)

	Physical Properties	Temperature max.
Polyester Fabric	• Flexible • Non-Perforated	120°C - 360°F
Polyester Fabric	• Ultra Flexible • Perforated	120°C - 360°F

MECHANICAL DATA

Heat conductor thickness	***µm***	100-150
Density	**g/m³**	1.38
Max. Tensile Strength	**Mpa**	20 Warp Directen
Elongation at break	**%**	5
Modulus of Tension	**Gpa**	4

LaminaHeat
Putting heat where it is needed

Dimensional Properties

Total Width	**mm**	**1050**	**700**	**525**	**350**	**210**
	inch.	41.3	27.6	20.7	13.8	8.3
Heating Width	**mm**	**1,000**	**650**	**475**	**300**	**160**
	inch.	39.4	25.6	18.7	11.8	6.3
Max. Length	**m**	**500**	**500**	**500**	**500**	**500**
Weight	g/m²	290	290	290	290	290
Thickness	***µm***	**280**	**280**	**280**	**280**	**280**

Electrical and Physical Properties

		Non-Perforated	***Perforated***
Resistance	**Ω/m²**	4-37	8 - 134
Resistance/ Lenght	**Ω/mt**	0.5-37.0 +/- 7%	1.0-134 +/-7%
Range of use	**Volt**	0-24 vAC/vDC	0-24vAC/DC
Power	**W/m²** **W/inch²**	Typ. 0 - 400 0 - 0.25	Typ. 0 - 400 0 - 0.25

- **Typical temperature application:** 0°C to 50°C / 32°F to 122°F
- **Cross Bar Copper / Typical Cross section:** 20 mm x 0.035 mm
- **Open perforated area:** 20%