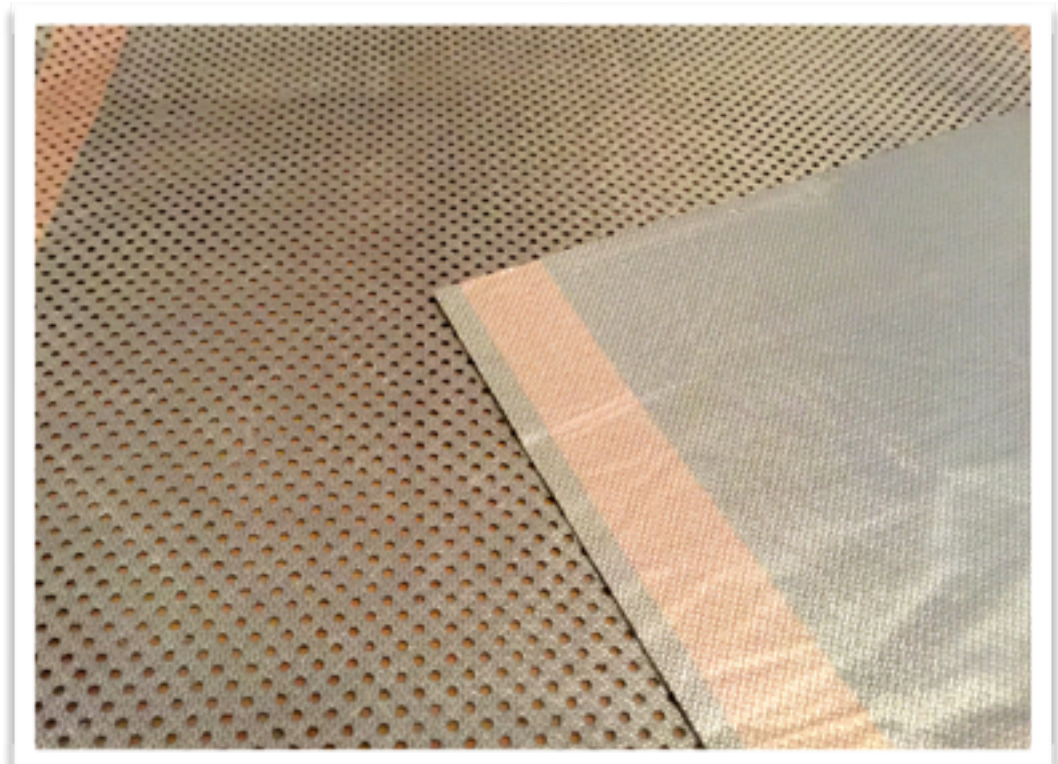


**Data Sheet**

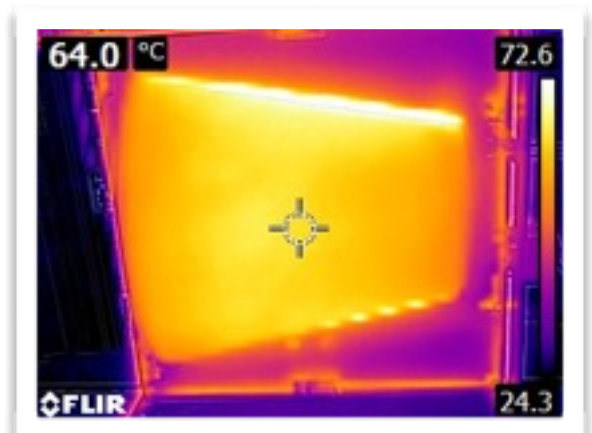
**PowerFabric** - All the power you need is inside this thin non-metallic heating fabric!

- Highly drapable - follows almost all contours
- Entire surface heats up at the same time.
- Typically less than 300 micron or 0.012" thick
- Compatible with thermoset and thermoplastic resins systems
- Can generate up to 16 kW/m<sup>2</sup> or 10 Watt/inch<sup>2</sup>
- Embedded in a textile reinforcement for high performance
- Easily shapable for 3D design
- Specific design on demand



LaminaHeat **PowerFabric** can be incorporated into complex mould shapes and generate a fast and safe heat up rate. Perforated or not the Glasfiber matrix impregnates well with most of the common resin systems and avoids the risk of inter-laminar shear failure. Fabric matrix and type can be adapted to your needs. (GF, Polyester, Polyamide, Cotton, etc.)

The **PowerFabric** can be applied using various voltages (1V to 400V), being able to generate a maximum power of up to 20 kW/m<sup>2</sup> or 13 Watt/inch<sup>2</sup>. It operates on DC and AC currents. LH **PowerFabric** is so versatile that it meets a large range of applications. Our technical team is ready to develop with you the right economical solution.



## Data Sheet

**PowerFabric - All the power you need is inside this thin non-metallic heating fabric!**

- **Highly drapable - follows almost all contours**
- **Entire surface heats up at the same time.**
- **Typically less than 300 micron or 12 mil thick**
- **Compatible with thermoset and thermoplastic resins systems**
- **Can generate up to 16 kW/m<sup>2</sup> or 10 Watt/inch<sup>2</sup>**
- **Embedded in a textile reinforcement for high performance**
- **Easily shapable for 3D design**
- **Specific design on demand**

### Data Sheet

March 2015

Dimensional properties						
Total width	<i>mm</i>	<b>1,100</b>	<b>734</b>	<b>550</b>	<b>366</b>	<b>150</b>
	<i>inch</i>	43.3	29.9	21.7	14.4	5.9
Heating width	<i>mm</i>	<b>1,050</b>	<b>684</b>	<b>500</b>	<b>316</b>	<b>100</b>
	<i>inch</i>	41.3	26.9	19.7	12.4	3.9
Length	<i>m</i>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
	<i>inch</i>	393.7	393.7	393.7	393.7	393.7
Thickness	<i>µm</i>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>	<b>300</b>
	<i>mil</i>	12	12	12	12	12
Weight	<i>g/m<sup>2</sup></i>	<b>250</b>	<b>250</b>	<b>250</b>	<b>250</b>	<b>250</b>
	<i>g/inch<sup>2</sup></i>	161	161	161	161	161

### Encapsulating fabric

	<i>physical appearance</i>		<i>Max temperature</i>
E Glass Fabric	flexible	non-perforated	<b>300°C - 572°F</b>
E Glass Fabric	ultra flexible	perforated	<b>300°C - 572°F</b>

### Electrical properties

		<i>non-perforated</i>	<i>perforated</i>
Resistance	<i>Ω/m<sup>2</sup></i>	<b>10</b>	<b>40</b>
	<i>Ω/inch<sup>2</sup></i>	10	40
Range of use	<i>Volt</i>	0-120 vDC & 0-400 vAC	
Power	<i>kW/m<sup>2</sup></i>	<b>up to 16.0</b>	<b>up to 4.0</b>
	<i>W/inch<sup>2</sup></i>	up to 10.3	up to 2.6

For more information:

email: [info@laminaheat.com](mailto:info@laminaheat.com) - website: [www.laminaheat.com](http://www.laminaheat.com)

#### Disclaimer of Liability

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