

**Innovation, quality and safety** at the service of selected customers.  
**Flexibility and transparency** at every stage of product development, punctuality, **reliability** and **maximum customisation** of all the solutions.

Your partner of excellence for the development and delivery of technologically advanced, high value-added solutions



**Vergato (BO) plant**

*Registered office*

Via Molino Malpasso 65

40038, Vergato (BO)

+39 051 674 0082

pietrogalliani@pietrogalliani.com

**Grizzana Morandi (BO) plant**

*Operational headquarters*

Località Campiario 131

40030, Grizzana Morandi (BO)

+39 051 674 0082

pietrogalliani@pietrogalliani.com

[www.pietrogalliani.com](http://www.pietrogalliani.com)



**Heating elements**

Aluminium  
Copper

# Aluminium, copper and copper alloy laminated foils

## PRODUCTS

**Aluminium laminated foils:** a material that heats up very quickly and easily adapts to the required shape for heat transfer.

**Copper and copper alloy laminated foils:** copper provides the best performance among metals in terms of thermal conductivity, while the lamination reinforces its flexibility.



## HEATING ELEMENTS

### Applications

Automotive

Medical

Food

Transport

Home Automation

### Service

We accept orders for even the smallest production quantities and guarantee our customers fast and reliable delivery times.

We offer customised solutions, designed and developed to express the proper characteristics and suit unique production cycles.



Product	Copper · Aluminium Material	 Thickness	 Formats	 Mechanical properties	 Surface
<b>Cu</b>	<b>Combinations of copper types, copper alloys and polymers</b> that are more resistant to high temperatures or can be sealed within specific temperature ranges	Thicknesses from a minimum of <b>8</b> my; standard thickness tolerance +/- 10%, can be reduced to +/- 5% in special products; minimum width 1mm	Coil length up to <b>20km</b> ; maximum outer diameter for slit pads <b>600mm</b>	Hard material with R > 350; annealed material with R < 260; special materials available on request (with material uniformity analysis).	<b>Special annealing process</b> ensures absence of oil (measurable in mg/m <sup>2</sup> ); flatness < 5 i-units
<b>Al</b>	Selection of glues and polymers targeted to specific ranges of mechanical properties required	Thickness tolerance +/- 5%; width 6 - 1000mm	Slit pads con max 1m di diametro esterno; bobine con diametro esterno massimo di <b>480mm</b> (lunghezza del nastro > 100km in alcuni casi)	Elongation up to 80%; peeling test available	<b>High etching capability</b> ; surface treatments available on request