

# ULTRA-HIGH PERFORMANCE HEATING FILM



**ADDEV Materials in partnership with DuPont™ is developing a high value-added heating solution. A greener, lighter, more resistant alternative to classic heating products.**

**Easy to integrate in your industrial processes, our team will support your projects by providing you tailor-made prototypes.**

## ADDEV MATERIALS & DUPONT™

As a partner of choice of world-class manufacturers, ADDEV Materials provides you the best heating film solution with DUPONT™ KAPTON® RS.

2 to 3 times lighter than other flexible heaters, this heating film is able to keep optimal temperature control even under harsh conditions, offering an uniform heating.

Very reliable, it could adapt to the most complex shapes and continues to function even if damaged.

### BENEFITS

POWER	LIGHTNESS	THINNESS	EFFICIENCY	ROBUSTNESS	GREENER
240°C in 30s, 1W/cm <sup>2</sup> Short cool-down time	0.08 kg/m <sup>2</sup>	0.1 mm	Operates between -270°C and +240°C	Lower risk of failure even in harsh conditions	Additive process, energy savings



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# APPLICATIONS



## AEROSPACE

- ▶ Deicing
- ▶ Bring temperature homogeneity in battery
- ▶ Lower risk of failure even in harsh conditions



## ELECTRIC VEHICLE

- ▶ Faster heating of battery cells
- ▶ Bring temperature homogeneity in fuel cells & batteries
- ▶ Heating solutions for EV interiors

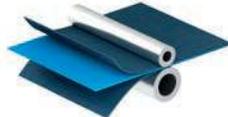


## OTHER MARKETS

- ▶ Heating 3D printer plates
- ▶ Electronic: thermal management
- ▶ Defense applications

# CONVERTING & SERVICE

As experts, our industrial capacities help you converting the materials you need, in their most complete composition and shape. We offer you tailor-made support all-along your processes: this is ADDEV Materials added value.



## COMPLEXING



## DIE CUTTING

**Wherever innovative materials are key, we deliver converting and services.**

Through our in-house concept of "Innov'ADDEV Lab", we bring you more than materials technical expertise: we invite all stakeholders to harness ideas and desires, so as to reveal shared ambitions and anticipate our customers' future needs. Our collaborative innovation approach will enable you to be more effective, more competitive, and able to conquer new markets.

**Our Heating film concept interests you?**

Contact our team for more information: [insulation.fr@addevmaterials.com](mailto:insulation.fr@addevmaterials.com)