

# DuPont Mobility & Materials

## Advanced Mobility

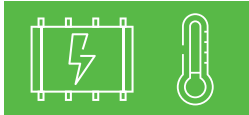
### High-performance mobility solutions

Megatrends are transforming transportation. Changing demographics, escalating urbanization, concern for the environment, and increasing disposable income are all factors creating growing and sustainability-minded global mobility demand.

Whether individual, shared or mass transportation, DuPont Mobility & Materials (M&M) is bringing both long-time expertise and fresh thinking to mobility's biggest challenges.

We are focusing on providing solutions in these key areas:

#### Battery and Thermal Management



Improving vehicle range, performance, and safety requires the kind of materials science expertise that DuPont delivers. We work together with customers to develop

custom solutions for battery assembly and thermal management challenges.

- Thermal interface materials
- Adhesives, sealants
- Performance polymers for electrical and cooling systems
- Battery safety materials

#### E-motors and Power Electronics



E-motor and power electronics performance and durability is ensured by components that demonstrate strength, stability, and proper insulative

properties for heat resistance. DuPont's longevity in under-the-hood and powertrain applications is supported by a portfolio of performance polymers that produce:

- Electrical and mechanical protection components
- Terminal connectors
- Motor control unit housings
- Busbars, bobbins, stators

#### Lightweighting, Safety, and Durability

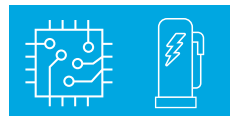


Lightweighting is essential for improved vehicle range and reduced emissions. However, components and body

structures made with innovative materials must be durable, safe, enhance NVH performance, and last the lifetime of the vehicle. DuPont innovations in adhesive technologies and performance polymers enable production efficiencies while meeting lightweighting, safety, NVH, and durability requirements.

- Structural, crash-durable, and multi-material bonding adhesives
- Light weight, chemical- and heat-resistant plastics
- Lower environmental impact product families

#### Connectivity and Infrastructure



Two essential needs for advanced mobility are connectivity and built-out infrastructure systems. DuPont's family of performance materials can help enhance components

required for:

- Precise data acquisition
- High-performance control systems
- ADAS, sensors, and cameras
- Efficient, fast, charging stations



## DuPont Continues to Deliver Innovative Solutions

# dEVELOP with DuPont

DuPont offers clear advantages for vehicle electrification and autonomous vehicle markets. We draw on the experience of our experts in materials science to deliver a robust portfolio of adhesive, polymer, and electronic component solutions that specifically address:

- Vehicle range – through battery and e-motor power and thermal management enhancements, and lightweighting of chassis, powertrain, and batteries
- Thermal management – solutions for energy-dense batteries, powerful e-motors, and fast-charging
- Safety – active and passive safety systems for passenger and pedestrian safety
- Acoustics – quieter running engines require quieter interiors for passenger comfort and satisfaction
- Vehicle structure/durability – for increased lifetime performance of chassis, electronic, battery, and interior components
- Sensing, control, and connectivity – to support ADAS and data acquisition systems

We invite you to dEVELOP with DuPont. Three Centers of Excellence dedicated to battery, e-powertrain, and thermal management application development – supported by 10 technology centers worldwide – are open and ready to help you solve your biggest challenges. Collaboration is key to mutual success, and we offer to support you through:

- EXPERIENCE – leveraging DuPont’s expertise to create technology and materials solutions in vehicle electrification, connectivity, autonomous driving, and related infrastructure
- MATERIALS SCIENCE AND R&D EXPERTISE – that helps develop the integrated materials solutions needed in this rapidly growing space
- HISTORY – over 100 years of transportation experience reinforced by expertise and a broad, differentiated portfolio of technologies and solutions.

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[dupont.com/mobility](https://dupont.com/mobility)



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