



# MOCOM

## Electromobility Future-driven solutions

**Mobility is under a redefining process today: There will be dramatic changes to the way we travel and new products, technologies and services will appear and influence our personal way of living.**

Mobility is at the center of a transformation from the fossil to the post-fossil age, making our surroundings quieter, safer and cleaner. Cities will ban today's traffic to the periphery to get space for new mobility concepts like electric cars, smart public transportation, autonomous vehicles and space for micro mobility infrastructure and its smart services. With time, more and more countries, cities and regions will announce strict regulations for combustion engines – accelerating the end of fossil mobility.

E-mobility is thus becoming the predominant drive in the mobility world. The switch to electric drives will create numerous opportunities for plastics as requirements change massively, not only with regards to the vehicle but also for the charging infrastructure.

### MOCOM: your solution provider

- **Customization** – tailor-made products meeting your specific requirements
- **Lightweight** – lightweight plastics for improved efficiency, mileage and sustainability
- **Sustainability** – broad range of compounds based on recycle feedstock including FR grades
- **Flame retardancy** – compound solutions meeting different UL94 classifications
- **Support** – individual support by our technical and market experts

| Application                  |  Electrical Properties |  EMI Shielding |  Thermally Conductive |  Lightweight |  Flame Retardancy |  Sustainability |  Design |
|------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Charger Inlet, Charging Plug | ✓                                                                                                       |                                                                                                 |                                                                                                        |                                                                                               | ✓                                                                                                    | ✓                                                                                                  | ✓                                                                                          |
| Connectors, Bus Bars         | ✓                                                                                                       | ✓                                                                                               | ✓                                                                                                      |                                                                                               | ✓                                                                                                    | ✓                                                                                                  |                                                                                            |
| Housings                     | ✓                                                                                                       | ✓                                                                                               | ✓                                                                                                      | ✓                                                                                             | ✓                                                                                                    | ✓                                                                                                  | ✓                                                                                          |
| Battery Parts                | ✓                                                                                                       | ✓                                                                                               | ✓                                                                                                      | ✓                                                                                             | ✓                                                                                                    | ✓                                                                                                  |                                                                                            |
| Structural Parts             |                                                                                                         |                                                                                                 |                                                                                                        | ✓                                                                                             |                                                                                                      | ✓                                                                                                  |                                                                                            |
| Crash Absorber               |                                                                                                         |                                                                                                 |                                                                                                        | ✓                                                                                             | ✓                                                                                                    |                                                                                                    |                                                                                            |
| Thermal Management           |                                                                                                         | ✓                                                                                               | ✓                                                                                                      | ✓                                                                                             | ✓                                                                                                    | ✓                                                                                                  |                                                                                            |
| Portfolio                    | Alcom® Tedur®                                                                                           | Alcom® Tedur®                                                                                   | Alcom® Tedur®                                                                                          | Alcom® Altech® Altech® ECO Tedur® WIC                                                         | Alcom® Altech® Altech® ECO Alfater XL® Tedur®                                                        | Alcom® Altech® ECO Alfater XL® ECO WIC                                                             | Alcom® Altech® Altech® ECO                                                                 |

| Portfolio   | Grade                        | Description       | Benefits                                                                            | UL94                      | GWFI            |
|-------------|------------------------------|-------------------|-------------------------------------------------------------------------------------|---------------------------|-----------------|
| Alcom®      | Alcom EMI PA6 7575           | PA6 EMI           |    |                           |                 |
|             | Alcom MS PA66+6I/X 2040 FR   | PA66+6I/X GF40    |    | V-0 (0.75 mm)             | 960 °C (1.0 mm) |
|             | Alcom HP PBT 2030 FR         | PBT GF30 HR       |    | V-1 (0.75 mm) aged V-0    | 960 °C (1.0 mm) |
|             | Alcom PA66 910/32.1          | PA66 GF8 TCE      |   | V-0 (3.0 mm)              | 960 °C (1.0 mm) |
|             | Alcom TCD PA6 5070 FR 15021* | PA6 TCD           |  | V-0 (0.75 mm)             | 960 °C (1.0 mm) |
| Tedur®      | Tedur HTR PPS 2465 IM 16049  | PPS GF/MR CTI 600 |  | V-0 (1.5 mm)              | 960 °C (2.0 mm) |
| Alfater®    | Alfater XL A70 – D50 (FR)    | TPV               |  | V-0 (1.5 mm)              | 750 °C (2.0 mm) |
|             | Alfater XL ECO A75 - D50I    | TPV               |  | HB (1.5 mm)               | 750 °C (2.0 mm) |
| Altech®     | Altech PA6 A 2030/540        | PA6 GF30          |  | V-0 (0.75 mm)             | 960 °C (1.0 mm) |
|             | Altech PA66 A 2030/540       | PA66 GF30         |  | V-0 (0.75 mm)             | 960 °C (1.0 mm) |
|             | Altech PP-H A 2020/554       | PP-H GF20         |  | V-0 (1.5 mm)              | 750 °C (1.0 mm) |
| Altech® ECO | Altech PA6 ECO 2030/540      | rPA6 GF30         |  | V-0 (0.75 mm)             | 960 °C (1.0 mm) |
|             | Altech PA66 ECO 2030/540     | rPA66 GF30        |  | V-0 (0.75 mm)             | 960 °C (2.0 mm) |
|             | Altech PC ECO 2010/547       | rPC GF10          |  |                           | 960 °C (1.0 mm) |
|             | Altech PC ECO 1000/542       | rPC               |  | V-0 (1.5 mm)/5VA (3.0 mm) |                 |
|             | Altech PC+ABS ECO 1000/741   | rPC+ABS           |  | V-0 (1.5 mm)              | 960 °C (2.0 mm) |
|             | Altech PC+ASA ECO 1000/506   | rPC+ASA           |  |                           |                 |

\* UL-Yellow Card available

 Electrical Properties

 Thermally Conductive

 Flame Retardancy

 Design

 EMI Shielding

 Lightweight

 Sustainability



MOCOM Datasheets

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