

Your Development Partner for High-Performance Polymers

EMS-GRIVORY

EMS-GRIVORY: Development partner for innovative solutions

EMS-GRIVORY develops powerful system solutions together with customers – economical, efficient, and future-oriented.
The focus is on concrete customer benefits:

- Cost and weight reduction
- Functional superiority
- Energy efficiency
- Sustainability

Competitive advantages through customized applications

EMS-GRIVORY rethinks applications in an intelligent way and creates concrete market advantages through:

- Substitution of metal and glass with consistent or improved functionality
- Integration of multiple parts into a single component
- Elimination of post-processing such as milling, welding, coating and painting
- Reduction of component weight
- CO_2 neutrality
- Optimized manufacturing processes through reduced complexity

Structured to series production

EMS-GRIVORY brings innovations to series production in a targeted and efficient way through:

- Technical and economic feasibility analyses
- Simulation-based design
- Prototypes, testing procedures, and validation
- Tool and process development

Solutions for the most demanding requirements

EMS-GRIVORY develops solutions for applications with high requirements in terms of robustness, temperature stability and design particularly in the mobility industry as well as in electronics, consumer goods, healthcare, and industrial applications.

The future of mobility

EMS-GRIVORY is a preferred innovation partner to the mobility industry and works closely with forward-thinking manufacturers to enable the transition to lighter, smarter and more energy-efficient vehicles. High-performance polymers from EMS-GRIVORY are suitable for use in all drive systems and enable a significant reduction in component weight and energy-efficient manufacturing while meeting high comfort and safety standards.



In electromobility, solutions from EMS-GRIVORY increase range by specifically replacing heavy die-cast parts with lightweight, high-performance polymers. They also improve temperature management and enable shorter charging times.

New solutions are being developed for fluid pumps, cooling lines, high-voltage components, and sensor housings. Replacing rubber lines also contributes to weight and cost reduction as well as improved recyclability.



For fast charging applications, EMS-GRIVORY provides solutions for high-voltage flat conductors, cooled battery replacement systems and electrical connections. High-quality decorative covers and decorative lighting components in the interior set new design.

Replacement of metal and glass in industrial and consumer goods

EMS-GRIVORY replaces established materials with functional, cost-effective complete solutions. Increasing digitalization and automation are creating a high demand for robust, durable, and sustainable applications in numerous industries, particularly in intralogistics and production automation.
EMS-GRIVORY solutions meet the highest requirements for environmental and chemical resistance, for example in logistics systems, food processing plants, robotics, and industrial facilities.
Systems approved for contact with drinking water and food are used in water meters, filters, heat pumps, valves and consumer goods such as coffee machines and smart cookers. The targeted replacement of glass, brass or aluminum improves sustainability and significantly reduces manufacturing costs.



Highest precision and reliability in electrical and electronic applications

Solutions from EMS-GRIVORY master the increasing complexity and stricter safety requirements in energy distribution and electronic systems. Replacing conventional thermoset materials with high-temperature resistant, flame-retardant, and mechanically highly resilient systems from EMS-GRIVORY brings high cost savings, reduces the carbon footprint and enables recyclability. Applications in LEDs and connectors enable maximum precision and optimum heat resistance in highly automated soldering processes.In mobile communication devices, smartwatches,

GPS trackers, and tablets, robust housing solutions reliably protect sensitive electronics while meeting the highest design requirements.



Solutions for healthcare

Hygienic safety, chemical resistance and reusability are key requirements in medical technology.
EMS-GRIVORY offers solutions that have proven themselves in laboratory equipment, instruments, protective systems, infrastructure components and mobility aids.



The materials used are resistant to sterilization processes and aggressive cleaning agents and disinfectants. Solutions with reinforced or transparent high-performance polymers enable the targeted replacement of metal or glass in medical technology applications with high endurance, efficient production and cost reduction while complying with all relevant standards.

Global leader in the eyewear market

Functional requirements meet maximum design freedom in sunglasses, sports glasses and protective eyewear.
This enables ultra-lightweight and nearly unbreakable corrective eyewear, sunglasses and smart glasses.



Safely packaged with EMS-GRIVORY

Barrier properties against oxygen, CO_2 and aromas help to significantly improve shelf life and product protection.
International requirements for food, cosmetics and pharmaceuticals are met while also ensuring recyclability.

EMS – environmentally friendly material solutions

EMS-GRIVORY produces CO_2 neutrally at all locations and offers sustainable materials to achieve goals in the supply chain.
A consistently sustainable supply chain continuously reduces the CO_2 footprint of the products.
A wide range of bio-based materials and recyclates are offered, enabling customers to achieve their sustainability goals.

EMS-GRIVORY – global leader with high-performance polymers

Solutions from EMS-GRIVORY set standards for injection molding and extrusion, whether in automotive engineering, industry, electronics, consumer goods, healthcare, optics, or packaging and are scalable even to the fastest-growing industries and technologies.

Our strong brand names such as Grivory®, Grinova®, Grilamid TR®, Grilamid®, and Grilon® inspire confidence. EMS-GRIVORY develops materials specifically for new customer solutions. An overview of the latest innovations:

- Grinova® S: combines high gloss with high strength
- Grinova® H: durable at the highest temperatures
- Grinova® T: maximum crash safety

GRIVORY® EMS

GRINOVA® EMS

Grilamid TR® EMS

Grilamid® EMS

GRILON® EMS

GOLD | Top 5%
ecovadis
Sustainability Rating
JUN 2024

Energy Management
ISO 50001

ATTESTA
ISO 14001
ZERTIFIZIERT

EMS-GRIVORY shapes the future strategically, focused, and responsibly

Already today, we are developing solutions that will change markets tomorrow. Our long-term orientation combines innovative strength with entrepreneurial stability, thus creating sustainable value. Our solutions enable concrete cost and weight savings with clear competitive advantages.

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EMS-GRIVORY is part of the High-Performance Polymers Division of the EMS Group. More than 1000 dedicated employees worldwide work on innovative solutions. With the largest development and production site in Domat/Ems (Switzerland) and additional plants in Germany, China, Taiwan and the USA, we ensure high-performance, global production. Thanks to our sales and development locations in all key markets, we offer customers worldwide fast, direct access to expertise, innovation and support.

Innovative, fast, and successful

EMS-GRIVORY stands for innovative applications and is close to its customers worldwide. Strong regional units in Europe, Asia, and America work closely together and combine their expertise in sales, development, application technology, and production. This results in customized solutions: innovative, fast, and successful.

EMS

HIGH PERFORMANCE POLYMERS
SPECIALTY CHEMICALS