



Coatings + Additives
Chemical Intermediates
Technical Fibers + Yarn

EMS
EMS-GRILTECH



Our products

Innovative – Fast – Reliable

Our customers rely on our extensive research and development experience, efficient expert advice and consistent product quality. They benefit from our modern application and testing laboratories where new specialties and applications are continuously developed..

Grilon

Technical fibers and fusible bonding yarns. EMS-GRILTECH focuses on the production of technical fibers based on polyamides. Products include fusible bonding fibers made from copolyamides and copolyesters, bicomponent fibers and abrasion-resistant polyamide fibers e.g. for the paper machine industry. Our thermoplastic bonding yarns are used to modify textile structures and to stabilize prepregs for composites. This leads to shorter production times, lower unit costs and higher-quality products.

Nexylon

High performance PA66 fibers are processed to high-quality non-wovens and spun yarns. Important applications are technical textiles, flame-resistant protective clothing as well as workwear and uniforms.

Nexylene

Technical fibers made of polyphenylene sulfide (PPS) for hot gas filtration.

Grilbond

Bonding agents supplied as ready-to-use dispersions based on blocked isocyanates. They guarantee maximum adhesion between polyester reinforcing fabric/cord and rubber.

Griltex

Thermoplastic, solvent-free adhesives based on copolyamides and copolyesters. Griltex adhesives are available in granule and powder form in various particle sizes or as suspension and are manufactured in our own polymerization and grinding plants.

Primid

Crosslinkers for weather-resistant powder coatings allowing economic, solvent-free coating systems to be achieved.

Grilonit

Reactive diluents and hardeners for epoxy systems. Applications in various segments of the building and construction industry as well as in the coating industry. Selected reactive diluents are used for making specialty chemicals.

GRILON[®]
EMS

NEXYLON[®]
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NEXYLENE[®]
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GRILBOND[®]
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GRILTEX[®]
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PRIMID[®]
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GRILONIT[®]
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Customer applications

Paper machine clothing

Grilon fibers are used for the manufacture of paper machine felts. These are screen belts of enormous dimensions which run at very high speed and are used to shape, de-water and dry the paper sheets. The high chemical and mechanical resistance of Grilon fibers considerably increase the life cycle of paper machine clothing.



Technical bonding

Griltext thermoplastic adhesives are used for coating and laminating technical textiles, nonwovens, apparel materials and non-textile substrates. Due to their high adhesive strength, Griltext adhesives are used in the fields of transport, construction, electronics, fusible webs and films, medical diagnostics, packaging, composites and clothing. Griltext products are characterized from production through the whole value chain by their cost-effective processing and environmental compatibility.



Efficient industrial coating

Primid allows a cost-effective production of durable and weather-resistant powder coatings. The highly efficient and environmental-friendly powder coating technology is used for architectural applications such as facade panels and window frames, agricultural and building machines as well as in the automotive industry.



Protective clothing

With Nexylon FR we provide flame-retardant polyamide fibers which fulfill all stringent safety requirements of the market. The combination of a highly abrasive-resistant polyamide fiber with permanent flame protection is a global innovation. The high flame protection effect together with good durability and excellent wear comfort is unique.



High-performance tires

Grilbond is used in tires to ensure high-quality adhesion between the rubber and reinforcing material, even under the severest conditions. Grilbond is also used for conveyor and power transmission belts as well as reinforced rubber hoses. Our Grilbond customers profit from safe handling as well as savings in energy, materials and production costs.



Civil engineering

Grilonit reactive diluents and hardeners are important components of modern construction materials based on epoxy systems. They are used in various formulations for the building and construction industry and as ingredients of composites and adhesives.





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About us

EMS-GRILTECH is a Business Unit of the EMS Group (www.ems-group.com).

We develop, manufacture and sell outstanding specialties for technically demanding applications. These materials and additives are sold under the following brand names: Grilon fibers and yarns, Nexylon and Nexylene fibers, Griltex hotmelt adhesives, Grilbond bonding agents, Primid cross linkers for powder coatings and Grilonit reactive diluents. In this way, we create added-value for our customers to support their market success.

EMS-GRILTECH is represented worldwide by its own sales companies and local agents. The headquarters including research and development are located in Domat/Ems (Switzerland). We have state-of-the-art production locations, application development centers and customer service laboratories in Switzerland, USA, China, Taiwan and Japan.

Outlook for the future

In the segment of paper machine clothing, we are market leader worldwide with our Grilon fibers. The spinning process developed by EMS-GRILTECH allows us to produce fiber specialties which enable our customers to manufacture new products. The potential for innovation using flat, fusible, large count and bi-component fibers is far from exhausted.

With our Nexylon FR fiber we are sole supplier worldwide for flame-retardant thermoplastic polyamide fibers. With two production locations for fibers (Germany and Switzerland) we are able to satisfy customer requirements reliably and promptly.

We are world leader with our Griltex copolyamides and copolyesters in the field of technical bonding. Our latest products for bonding of even surfaces underline our innovative strength. Main areas of application are the transport, construction and packaging sectors.

In the field of bonding agents, the market is constantly looking for products offering better productivity, economy and performance. With their ongoing development, Grilbond bonding agents take adequate account of these requirements and therefore have reached a leading global position.

Within a few years, Primid has gained an important global market share in powder coatings. Primid provides our customers with decisive toxicological and cost advantages.

EMS-GRILTECH consistently develops new products and applications. Our competent technical support offers globally unique and customer-specific solutions, which secure our future market success.

EMS-GRILTECH worldwide: Visit our homepage at: www.emsgriltech.com
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HIGH PERFORMANCE POLYMERS
SPECIALTY CHEMICALS