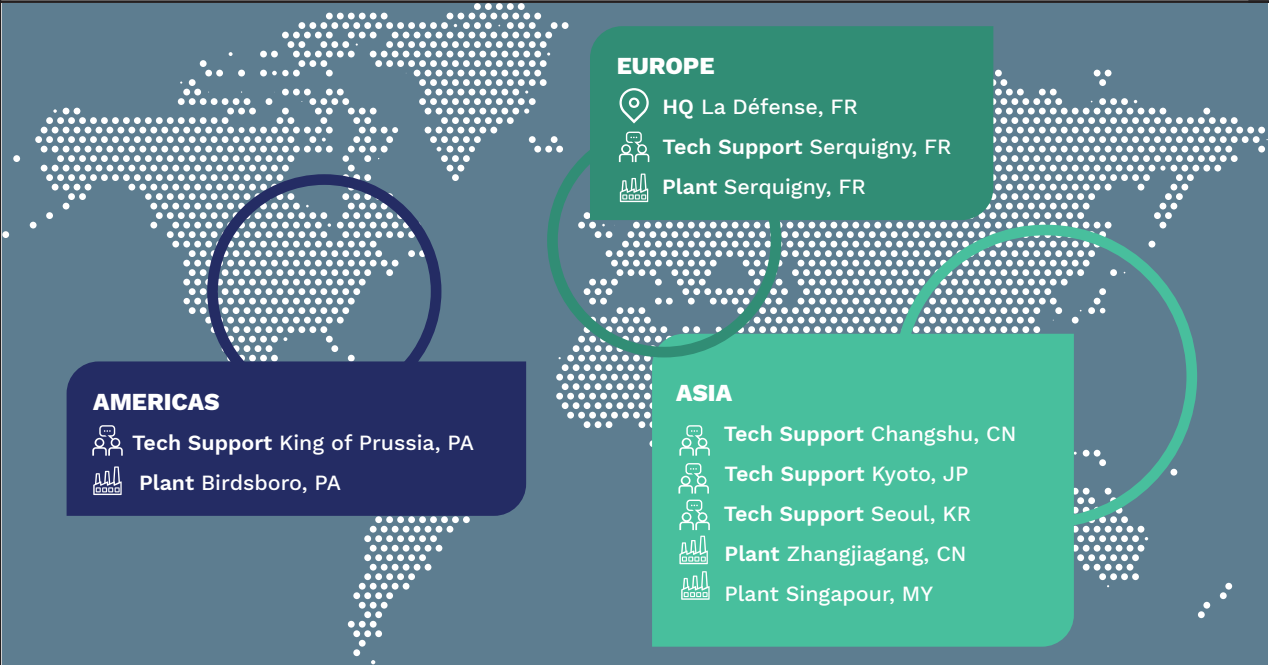


Global Manufacturing, Technical Support, and R&D



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**RILSAN<sup>®</sup> RILSAMID<sup>®</sup>**  
**RILPERM<sup>®</sup> KYNAR<sup>®</sup>**

High Performance  
Solutions for Tomorrow's  
Mobility



MARCOM EU – réf/202112-05– Design : AS Images: Arkema, Getty



POWERTRAIN & CHASSIS

Weight & cost savings through metal/rubber substitution

LOW DENSITY

THERMO-CHEMICAL RESISTANCE

FLEXIBILITY

LOW PERMEABILITY

- Injection
- Extrusion
- Powder Process

Rilsan® PA 11 & Rilsamid® PA 12 injection grades for **connection parts**, including **quick fittings**:

- Extreme thermo-chemical resistance
- Large range of flexibility and rigidity
- Ease of processing
- Laser weldable

Rilsamid® PA 12, Rilsan® PA 11 & Rilsan® HT PPA for **SCR (Adblue®) lines & filler necks**:

- From good to highest hydrolysis resistance
- Ease of processing (down to smallest diameters, heated lines)

Rilsan® PA 11 & Rilsan® HT PPA for **high temperature fuel & blow-by lines**:

- Resistant to all chemicals
- Up to 160°C continuous
- 60% lighter than aluminum & rubber

Rilsamid® PA 12, Rilsan® PA 11 & Rilsan® HT PPA for **high temperature engine cooling lines**:

- From good to highest hydrolysis resistance
- Ease of processing, less fixation points
- -50% weight & cost reduction

Rilsamid® PA 12, Rilsan® PA 11 monowall & Rilperm® multilayer constructions for **liquid fuel & vapor lines & filler necks**:

- Compatible with every fuel/temperature combination
- Low fluid contamination (oligomers, extractibles)
- Ease of processing
- Conductive solutions available

Orgalloy® PA alloys for **barrier layers of A/C rubber hoses**:

- Compatible with all refrigerants (R134a, R1234yf, R744...)
- Extremely low permeation

Rilsan® PA 11 fine powders coating for **demanding chassis parts (steering columns, shafts)**:

- Extreme wear & chemical resistance
- Noise reduction
- Ease of processing

HIGH PURITY

WEAR RESISTANCE

NOISE REDUCTION

- Easy Cleaning
- Surface Aspect
- Percieved Quality
- Personnalisation

Kynar® PVDF protected **artificial leathers**:

- Anti-Soiling / Easy Cleaning
- Fluorosurfactant free
- Water dispersion technology / low VOCs

Pebax® TPE permanent **antistatic solutions**:

- Additives for decorative parts
- Prevents dust accumulation
- Available for transparent PMMA

**INTERIOR**  
Durability, new functions & wellness

LOW DENSITY

CHEMICAL RESISTANCE

FLEXIBILITY

UV RESISTANCE

LOW VOC

SURFACE FUNCTIONALITY

HAPTIC & SOFT TOUCH

Rilsan® PA 11 fine powders coating for **small seat moving parts**:

- Extreme wear resistance
- Noise reduction
- Ease of processing (Minicoat® solutions)

Rilsan® PA 11 & Rilsan® Clear & Pebax® TPE for **sticks & key fobs**:

- Fatigue & chemical resistance
- Simple & cost effective sealing
- 100% bio-based (Rilsan® PA 11)

Platamid® copolyamides for **high durable roof panels**:

- High adhesion
- Ease of processing

Rilsan® PA 11 **3D printed & unique parts**:

- Limited series
- Customer adapted
- PP or ABS match (for small series & aftersales)

**NEW ENERGY VEHICLES**  
Competitiveness & Safety for  
Fluid management & Power connection

LOW DENSITY

THERMO-CHEMICAL RESISTANCE

FLEXIBILITY

FLAME RETARDENCY

HIGH PURITY

DIMENSIONAL STABILITY

WEAR RESISTANCE

NOISE REDUCTION

- Extrusion
- Liquid Process
- Powder Process

Rilsamid® PA 12, Rilsan® PA 11 & Rilsan® HT PPA for **battery/inverter cooling lines**:

- 2 to 3 kg weight reduction
- Robust solution at any temperature
- High safety: road salt resistance (ZnCl<sub>2</sub>)

Kynar® PVDF for **battery cathode binder & separator**:

- Extreme durability
- High adhesion performance

Rilsan® PA 11 & Rilsan® fine powders for **battery high power line (busbar) protection**:

- High thermal durability
- High flexibility
- Flame retardant possible

Rilsan® PA 11 for **rotomolded & blow-molded type 4 H<sub>2</sub> tank liner**:

- Extreme mechanical resistance even at extremely low temperatures
- Ease of processing

