

Solum Advanced Materials Co., Ltd.

(주) 솔룸신소재
Solum
 Advanced Materials



Year Established	2016	Type of Business	Manufacturing
Website	www.solum-materials.com	Main Export Countries	USA, Japan, China, EU
Domestic Customers	Hyundai, LG Energy Solution, Samsun SDI, LS Automotive etc.	International Customers	BMW, Ford etc.
The Person In Charge		Position	
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Company Description

As an emerging unicorn, Solum pioneers ultra-thin metal materials for next-gen connectivity. We commercialized the world's first ESAR technology, validated in automotive and IT sectors. We now mass-produce 10-micron copper, stainless steel, and superconducting foils, delivering essential solutions for high-performance electronics.

Product

10um Stainless steel foil

Function and Usage

Solum delivers irreplaceable 10-micron stainless steel foil, the optimal solution for all-solid-state batteries. Its superior strength, corrosion resistance enable to realize safety and energy density. This ultra-thin foil is essential for next-generation mobility, driving innovations in EVs, robotics, UAM, and the aerospace industry.

Marketing and Selling points

- World-leading, irreplaceable 10-micron ultra-thin stainless foil in mass-production
- Enables higher energy density and safer next-generation battery architectures
- Direct drop-in solution for advanced EV, ESS, and aerospace qualification standards
- Differentiated platform material unlocking miniaturization and lightweight design



Copper & Copper Alloy foil

Function and Usage

ESAR-based ultra-thin copper and copper alloy foils offer enhanced stiffness, exceptional thickness uniformity, and homogeneous microstructure. Proven in automotive and IT sectors, our customized solutions maximize performance for semiconductors, camera modules, and displays, delivering thinner, stronger materials essential for next-gen electronics.

Marketing and Selling points

- High-strength, ultra-thin copper and copper alloy foil
- Uniformity of crystallographic orientation and microstructure
- Proven track record in automotive and IT mass-production environments
- Customizable thickness and properties to maximize device performance
- Higher-reliability electronics, EMI shielding, heat dissipation, and emerging applications such as graphene substrates.

