



## Materion's SupremEX® Metal Matrix Composites Receive Two SAE-AMS Specifications

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*Specifications for SupremEX 225XE and 225XF Provide Aerospace Engineers with New Design Options*

MAYFIELD HEIGHTS, Ohio--(BUSINESS WIRE)--Oct. 9, 2018-- Materion Corporation (NYSE:MTRN) announced that the Society of Automotive Engineers - Aerospace Material Specification Nonferrous Alloys Committee (SAE-AMS) has approved AMS4369 specification for SupremEX® 225XF metal matrix composite (MMC) and AMS4379 for SupremEX 225XE MMC. This represents the second AMS specification for SupremEX 225XE and applies to the extruded form of the material. With the two recently added specifications, the company now has a total of four AMS specifications for its SupremEX line of products, allowing engineers to reference a national standard for material properties.

SupremEX MMCs offer a balanced combination of properties by combining ultrafine silicon carbide reinforcement with aerospace aluminum alloys. The composites offer benefits over conventional alloys because they provide the lightweight properties of aluminum with outstanding strength and stiffness. MMCs are ideal for aero-engine components and aircraft structures for commercial and military applications as well as satellite structures, optical systems and automotive pistons.

"We understand the importance of having AMS specifications for aerospace applications and are proud to add our third and fourth for SupremEX metal matrix composites," said Clive Grannum, president, Materion Performance Alloys and Composites. "These materials are ideal for aerospace applications and give engineers more materials options that meet their properties requirements and enhance their designs."

About SAE:

SAE International is a global association of more than 138,000 engineers and related technical experts in the aerospace, automotive and commercial-vehicle industries. Standards from SAE International are used to advance mobility engineering throughout the world. The SAE Technical Standards Development Program is among the organization's primary provisions to the industries it serves. Today's SAE standards product line includes almost 10,000 documents created through consensus standards development by more than 240 SAE Technical Committees with 450+ subcommittees and task groups. These works are authorized, revised, and maintained by the volunteer efforts of more than 9,000 engineers, and other qualified professionals from around the world.

About Materion:

Materion Corporation is headquartered in Mayfield Heights, Ohio. The Company, through its wholly owned subsidiaries, supplies highly engineered advanced materials to global markets. Our unique product portfolio includes [high performance alloys](#), [beryllium products](#), [clad metal strip](#), [composite metals](#), ceramics, [inorganic chemicals](#), [microelectronics packaging materials](#), [precision optics](#), [thin film coatings](#) and [thin film deposition materials](#).

Learn more about Materion at (<https://materion.com/About>).

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