



June 3, 2020 Tokuyama Corporation

Notice concerning the Establishment of the Center for Commercialization of Advanced Technology ~Working Toward the Commercialization of Silicon Nitride~

Tokuyama Corporation hereinafter referred to as "Tokuyama" or the "Company," today announced that it has decided to establish the Center for Commercialization of Advanced Technology with the aim of finding practical application for such advanced materials as silicon nitride.

The Center for Commercialization of Advanced Technology will serve as a base for the development and commercialization of products that contribute to the protection of the global environment and further application of ICT. For the foreseeable future, the Center will focus on the commercialization of silicon nitride for power semiconductor modules used in environmentally friendly automobiles and renewable energy power generation equipment.

Tokuyama has succeeded in the industrialization of high-purity silicon nitride powder using its proprietary synthetic technology. The Company has also applied unique technologies to develop an energy-efficient, safe, and low-cost environmentally friendly manufacturing process for plate-shaped ceramics using this high-purity silicon nitride powder as a raw material. The Center will begin demonstration tests for the mass production of these technologies from fiscal 2021.

Tokuyama is a leading company of aluminum nitride, a major heat dissipation material. Leveraging the technologies and abundant experience that the Company has cultivated to date, Tokuyama will contribute to the development of an environmentally friendly and sustainable society by promoting the use of silicon nitride materials that are both quality and cost.

Comprising mainly manufacturing equipment, an amount of approximately 3 billion yen will be invested in the Center for Commercialization of Advanced Technology over two-year period. Construction is scheduled to begin in July 2020. Plans are in place for trial operations to begin around April 2021, and demonstration tests to commence in the summer of 2021 on a progressive basis.

[Overview of the Center for Commercialization of Advanced Technology]

Name Center for Commercialization of Advanced Technology
Address 2-2-1 Minamihama, Yanai City, Yamaguchi Prefecture Japan

➢ Site area Approx. 30,000 square meters➢ Building area Approx. 15,000 square meters

Business activities Development and production of such advanced materials as silicon

nitride

Scheduled commencement Around April 2021

of operations

Number of employees Around 50



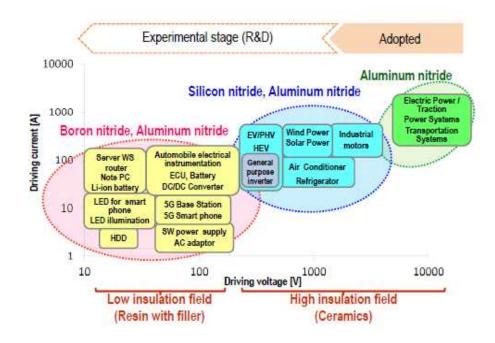
■ Silicon Nitride (Si₃N₄)

With a longstanding history of use, silicon nitride is a type of ceramic material. While powdered materials that are baked and hardened are referred to as ceramic products, silicon nitride is distinguished by its thermal conductivity and high toughness value or so-called fracture-resistant property compared with other ceramic products.



■ Tokuyama's Thermal Management Business Strategy

Tokuyama plans to cover the entire range of power module products with its unique heat dissipation material technology.



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