

Denka Receives "Semiconductor of the Year 2021" Award for Development of Denka Spherical Magnesia

Denka Company Limited (headquarters: Tokyo, Japan; President: Toshio Imai; hereinafter, "Denka") announced that the Denka Spherical Magnesia, an advanced functional ceramic material, received an Excellence Award in the Semiconductor Electronic Materials Category of the Semiconductor of the Year sponsored by Electronic Device Industry News for its novelty and high-level heat dissipation capability, which contributes to a decrease in environmental loads.

Denka launched the Denka Spherical Magnesia in October 2020 to deliver solutions to required characteristics in 5G and xEV applications. With thermal conductivity approximately 1.5 times higher than that of the Spherical Alumina, the material has already been used in related industries. As the leading producer of functional ceramics, Denka has been nurturing a range of technologies to be applied for the processing of inorganic materials such as high-temperature firing, nitriding reactions and particle-size controlling, since its foundation in 1915. By using them as core technologies, Denka produces various types of functional ceramics such as fused spherical silicas, silicon nitrides, boron nitrides (BN), spherical aluminas and phosphors, which are used in a range of applications including those for semiconductors, electronic devices, wind power generation, telecommunication bases and automobiles.

With an eye toward achieving the SDGs, which Denka considers to be a signpost, it will continue to work to develop advanced products that leverage its original technologies. By doing so, Denka will seek to create a company that is genuinely needed by society and indispensable to society.

* Reference

- "Denka Releases Advanced Ceramics, "Denka Spherical Magnesia" for 5G and xEV — New thermal solution for strengthening the environmental and energy sectors—" October 9, 2020
https://www.denka.co.jp/eng/storage/news/pdf/302/20201009_denka_5g_xev_en.pdf

* Semiconductor of the Year

Electronic Device Industry News established the Semiconductor of the Year award to recognize products found to be making the greatest contribution to the development of the latest electronic devices. This year is the 27th since the establishment of the award. *Japanese

https://www.sangyo-times.jp/images/seminar/topImg/ofthyer2021_oubo.pdf

About Denka

Denka is a chemical manufacturer headquartered in Chuo-ku, Tokyo. The company specializes in developing business activities on a global scale across a wide range of fields, from inorganic and organic chemicals, to electronic materials and pharmaceuticals. Founded in 1915, Denka has steadily continued to develop and manufacture products that contribute to the development of society by fully utilizing its unique concepts and technological capabilities. Upholding its corporate slogan, “Possibility of chemistry” the company and its president, Toshio Imai, are committed to contributing to the sound development of the society while sincerely tackling the challenges that the society is now confronting.

For more information, please visit: <https://www.denka.co.jp/eng/>

[For Inquiries about This Press Release from Media]

Corporate Communications Dept. Tel : +81-3-5290-5511

[For Inquiries about Products from Customers]

Advanced Specialty Materials Department, Electronics & Innovative Products

Tel : +81-3-5290-5539