

## **Sintered Nd-Fe-B Magnets**

The information below is provided for informational purposes only and is not to be relied upon. Any reliance upon such information is at your own risk, and Proterial, Ltd. (“Proterial”) assumes no liability or responsibility for any damages arising from such reliance. Proterial reserves the right to update, amend, revise or delete the information below. Please kindly submit any questions or inquiries for the most up-to-date information through our inquiry form below.

Proterial issued multiple news releases with respect to Proterial’s rare earth magnet patents and license of such patents after December 3, 2013. Due to the concern about serious impact on manufacture and supply of rare earth magnet caused by tightening regulation on export of rare earth materials by the government of Peoples’ Republic of China (“China”) in these latter days, Proterial issues following news release.

Proterial is a recognized worldwide leader in the field of sintered rare earth magnets. As a consequence of long-term research and development activities, Proterial establishes and maintains patent portfolio consisting of over 600 sintered rare earth magnet patents worldwide, including over 200 patents in Japan, and grants license to its certain patents to third parties. This significant patent portfolio contains patents important for the safe, efficient, commercial manufacture of sintered rare earth magnets.

1. Proterial grants licenses to the following manufacturers to manufacture and sell sintered rare earth magnets under certain patents above. Please note that there are some exceptions, such as the patents listed in Section 4 below. Additionally, there are certain restrictions on the manufacturing regions. Please kindly submit any questions or inquiries for additional information through our inquiry form below.

a. Neorem Magnets Oy

b. Vacuumschmelze GmbH & Co. KG

2. Proterial grants licenses to the following manufacturers to manufacture and sell sintered rare earth magnets (except in and for Japan) under certain particular patents from patents mentioned above. Please note that there are some exceptions, such as the patents in Japan and the patents listed in Section 4 below. Please kindly submit any questions or inquiries

for additional information through our inquiry form below.

- a. Advanced Technology & Materials Co., Ltd.
- b. Anhui Earth-Panda Advance Magnetic Material Co., Ltd.
- c. Jingci Material Science Co., Ltd. (formerly Beijing Jingci Magnet Co.)
- d. Beijing Zhong Ke San Huan High-Tech Co., Ltd.
- e. Ningbo Jinji Strong Magnetic Material Co., Ltd.
- f. Ningbo Yunsheng Co., Ltd.
- g. The Morgan Crucible Company plc
- h. Thinova Magnet Co., Ltd.
- i. Yantai Zhenghai Magnetic Material Co., Ltd.

3. Proterial grants licenses the following manufacturers to manufacture and sell sintered rare earth magnets under certain particular patents from patents mentioned above. Please note that there are some exceptions, such as the patents listed in Section 4 below. Additionally, there are certain restrictions on the manufacturing and sales in and for China. Please kindly submit any questions or inquiries for additional information through our inquiry form below.

- a. Shin-Etsu Chemical Co., Ltd.
- b. TDK Corporation

4. Except in certain cases, Proterial has not granted any license or authorization to third parties, including the aforementioned manufacturers, to manufacture or sell sintered rare earth magnets using its patented technologies related to heavy rare earth diffusion, heavy rare earth-saving technologies — *most notably* heavy rare earth-free technologies — or low-oxygen process technologies. Please take note of this accordingly

The importation, sale or use of sintered rare earth magnets may be subject to various restrictions. For this reason, when you purchase sintered rare earth magnets and/or products incorporating sintered rare earth magnets, please provide your suppliers with information about the intended importation, sale, and use of the products, in order that your supplier can determine whether that activity would be appropriate or inappropriate in those

circumstances. You should also contact via our inquiry form below for assistance in this process or for answers to questions you, your suppliers or your customers may have. For further information regarding Proterial's patents and patent licenses, please contact:

Proterial, Ltd.

Intellectual Property Dept., R&D Division.

Toyosu Prime Square, 5-6-36 Toyosu,

Koto-ku, Tokyo 135-0061, Japan

[Customer inquiries]

Inquiry Form : [https://www.cntct.proterial.com/contact/publish/inquiry\\_eng?g=01&c=012](https://www.cntct.proterial.com/contact/publish/inquiry_eng?g=01&c=012)

May 29, 2025.