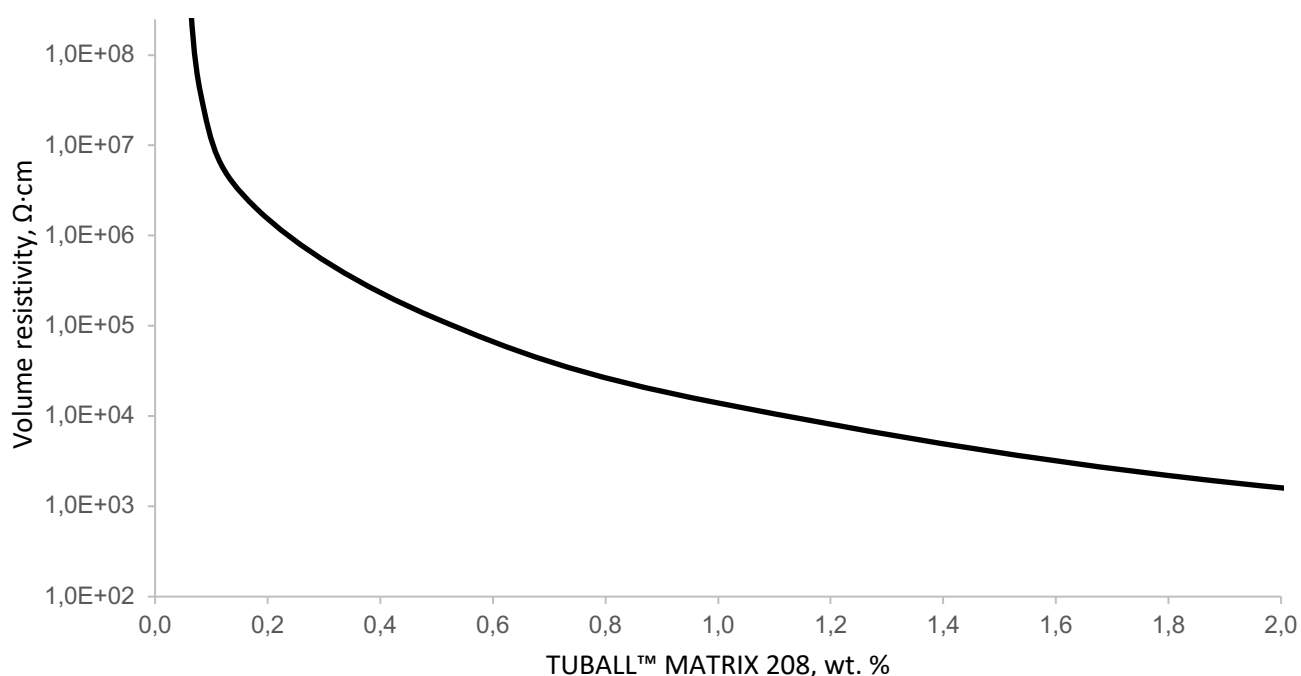


Typical addition rate

Depending on the characteristics of the dilution polymer and the processing conditions, the loading range of TUBALL™ MATRIX 208 for anti-static or dissipative applications can be as low as 0.1–4.0 wt.% calculated based on non-volatile matter. The exact loading level depends on the required performance, resin characteristics, processing conditions and presence of other ingredients.

An example of a percolation curve, obtained by compounding TUBALL™ MATRIX 208 in D.E.R. 351 epoxy resin, is shown in the figure below. The dilution of the concentrate in neat D.E.R. 351 was performed using a mechanical overhead stirrer. This plot is for a solvent-free system, but it can be used for solvent-based systems, for which it is necessary to recalculate the TUBALL™ MATRIX 208 concentration based on non-volatile matter.



Dilution

In order to obtain a high-quality TUBALL™ MATRIX dispersion, OCSiAl recommends that close attention be paid to the dilution procedure. Refer to the Processing Guidelines for detailed information.

Packaging

OCSiAl provides TUBALL™ MATRIX 208 samples in plastic containers (50 g concentrate). Industrial volumes are available in different packaging up to 50 kg.

Storage and transportation

The product is stable in unopened original packaging when stored at temperatures between 5°C and 50°C. The recommended storage life is up to 24 months when stored as directed.

Safety

To ensure safe handling, the appropriate safety regulations should be observed. OCSiAl recommends that every user should be able to apply the safe handling procedures necessary for the user's applications before any handling or manufacturing takes place. A Material Safety Data Sheet outlining the hazards and handling methods for TUBALL™ MATRIX 208 is available.

Warranties and disclaimer

The Products correspond to the chemical composition indicated in the Technical Data Sheet and the Material Safety Data Sheet supplied with the Product. The information contained in this document (Information) is based on trials carried out by OCSiAl and may contain inaccuracies or errors that could cause injury, loss or damage.

OCSiAl gives no further warranty and makes no further representation regarding the Products and/or the accuracy of Information and/or suggestions for any particular use of the Products or Information, or that suggested use will not infringe any patent. The Products and Information are supplied on an "as is" basis. These express provisions are in place for all warranties, representations, conditions, terms, undertakings and obligations implied by statute, common law, custom, trade usage, course of dealing or otherwise (including implied undertakings of satisfactory quality, conformity with description, fitness for purpose and reasonable skill and care), all of which are hereby excluded to the maximum extent permitted by applicable law.

Contact information

ASIA		EUROPE	NORTH & SOUTH AMERICA
<p>KOREA Office 208, Pilot Plant Bldg., 12, Gaetbeol-ro, Yeonsu-gu, Incheon, 21999, Republic of Korea, +82 32 2600407 asiapacific@ocsial.com</p> <p>HONG KONG Room 1102, 11/F, Lippo Sun Plaza, 28 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong +852 21627385</p> <p>JAPAN Kusumoto Chemicals Ltd. Kusumoto Bldg. 1-11-13 Uchikanda Chiyoda-ku, Tokyo, Japan, 1010047 +81 03 32928685 info_tuball@kusumoto.co.jp</p>	<p>CHINA #2004, 20th Floor, Block B, Dachong Business Centre, No. 9678, Shennan Road, Nanshan District, Shenzhen, Guangdong, China +86 135 90125295</p> <p>Room B8, Naked Hub, Building 1, No. 818, Shenchang Road, Minhang District, Shanghai, China china@ocsial.com</p>	<p>LUXEMBOURG 1 Rue de la Poudrerie L-3364 Leudelange Grand-Duche de Luxembourg +352 27990373 europe@ocsial.com</p> <p>ISRAEL Nemo Nano-Materials Ltd. 7th Hatnufa Str. (Kodak building), Petach Tinkva, P.O 3147 4951025, Israel +972 525452481 israel@ocsial.com</p> <p>RUSSIA 29, bld. 2, Kalanchevskaya str., Moscow, 107078 +7 499 653 5152 24, Inzhenernaya str., Novosibirsk 630090, Russia +7 383 201 8387 russia@ocsial.com</p>	<p>USA 500 S. Front Str., Suite 860, Columbus, OH 43215, USA +1 415 9065271 usa@ocsial.com</p>