



TECHNICAL CERAMICS

PRODUCT RANGE
Czech Republic



KRAHN CHEMIE – A STRONG PARTNER

WELCOME TO KRAHN CHEMIE. As an independent chemical distributor and sales partner to leading producers, we know that some things are simply better together. That's why we connect markets with innovations, processors with producers and questions with answers.

At KRAHN Chemie, you can find everything that a processor in the chemical industry values: a broad range of products from top



international producers, competent technical support, laboratory services and logistic solutions. We share your high standards in terms of speed, flexibility and quality – and have proudly served as your strong and reliable partner for more than 100 years.

We look forward to assisting and advising you.

[BRING IT TOGETHER]

ALUMINIA

PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
Aluminium oxide - purity 99,9-99,99%	PKP/ PG	Pengda Munich	The product range comprehends binder-free and ready-to-press Al ₂ O ₃ as spray-dried and non spray-dried powders which have an Al ₂ O ₃ content of 99,9 %-99,99 %. They are used e.g. for engineering parts.
Sinter aluminium oxide - high purity	Taimicron	Taimei Chemicals	Taimicron is an ultra-fine ceramic powder with a purity >99,99%. Available are agglomerate-free as well as spray-dried Al ₂ O ₃ powders. The sintered body shows a fine, homogeneous microstructure and is characterized by its strength and hardness. Applications are e.g. bio ceramic components and transparent ceramics.

ALUMINIUM OXIDE TRANSITORY ALUMINAS (GAMMA PHASE)

Aluminium oxide transition	Taimicron	Taimei Chemicals	Taimicron is a high purity, ultra-fine ceramic powder. The Transition Alumina series contains gamma and theta Alumina. The particle sizes of the Transition Alumina are nanoscale with a large BET. Applications are e.g. catalysts or filler.
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ALUMINIA - ZIRCONIA

ZTA - high purity	Taimicron	Taimei Chemicals	The ZTA powders are based on the powder type TM-DA or TM-DAR of Taimei Chemical Co., Ltd. and contain 16wt% respectively 20wt% Zirconia. The ZTA powders are available with and without binder. The products with binder are ready-to-use and can be pressed without any further processing.
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SPINEL

	Taimei Mg-Al spinel powder	Taimei Chemicals	The spinel powder has a high purity, is binder free and is based on Mg-Al spinel. Examples for applications are high-strength, transparent ceramic components.
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TITANIUM DIOXIDE

	Hombikat	Venator	Anatase titanium dioxide powder has a purity of 95% - 99%. The materials are used e.g. in refractory industry, catalysts, electro ceramics, glazes, glas, aluminium titanate.
	Hombitan	Venator	Anatase titanium dioxide powder has a purity of, 98 %, - 99,7%. The materials are used e.g. in refractory industry, catalysts, electro ceramics, glazes, glas, aluminium titanate.
	Sachtleben	Venator	Rutil titanium dioxide powder has a purity of, 99 %, - 99,5%. The materials are used e.g. in refractory industry, catalysts, electro ceramics, glazes, glas, aluminium titanate.

SILICON CARBIDE

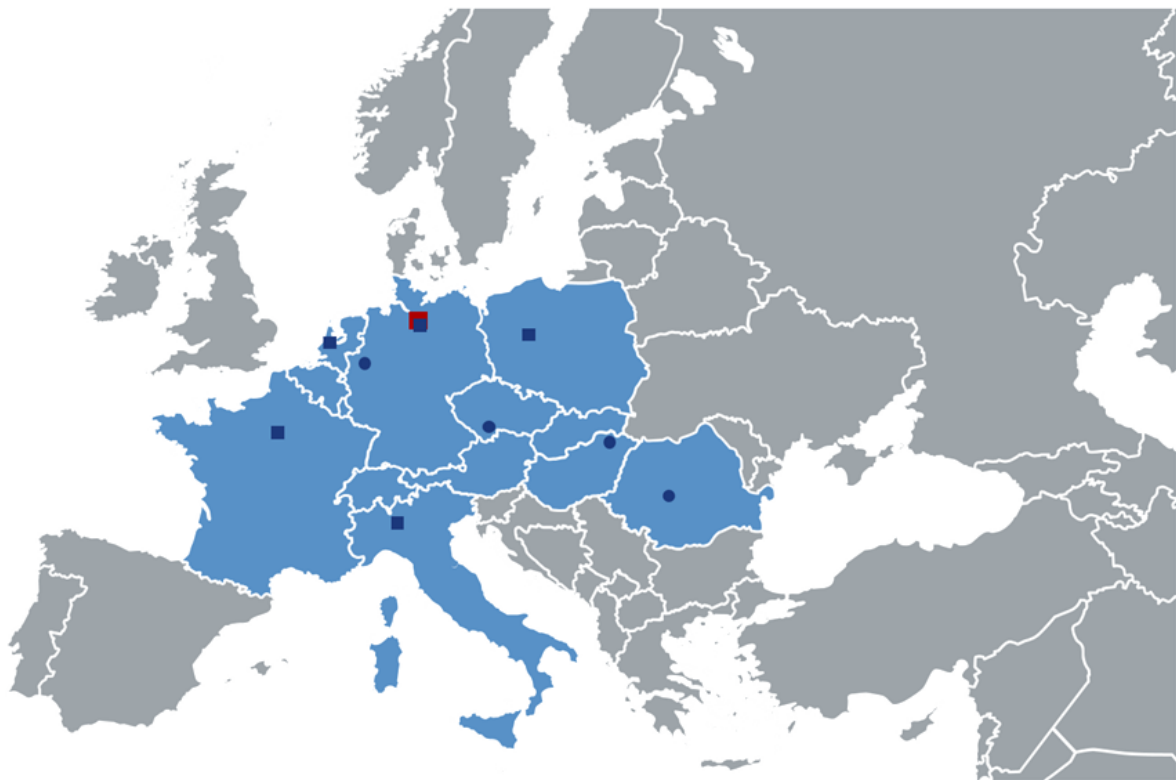
PRODUCT GROUP	PRODUCT NAME	PRODUCER	PRODUCT DESCRIPTION
	Silicon Carbide Powder Standard	Carborundum Universal Limited (Cumi)	The assortment of Carborundum Universal Ltd. covers standard-grains according to international standards like FEPA oder JIS plus fractions and specialties produced as per customer specification.
	Silicon Carbide Powder Ultra-Fine	Carborundum Universal Limited (Cumi)	The green and black powders are basic materials which are suited for the production of ceramic components with high temperature resistance, extremely high hardness and wear resistance, good corrosion resistance, high heat conductivity and very good tribological characteristics. Applications are e.g. slide rings, pump components and nozzles.

CERAMIC GRINDING MEDIA

Aluminium oxide -high purity	Taimei HP Alumina Beads	Taimei Chemicals	The Alumina Grinding Media are characterized by a high wear resistance and corrosion resistance as well as a high purity of >99,99%. Applications are e.g. electronics, pharmaceutical, food industry, catalysts and coatings.
Zirconium oxide - high purity	YTZ®	Tosoh / Nikkato	YTZ® Grinding Media are made of YSZ. They have a higher density which provides a greater impact force resulting in superior grinding efficiency. Additionally, they have a high purity, a smooth surface, almost perfect roundness and higher wear resistance. Applications are e.g. electronic materials and catalyst materials.

Product Disclaimer

1. Any information given on the chemical and physical characteristics of our products, including technical advice on applications whether verbally, in writing or by testing the product, is given to the best of our knowledge. However, this information is given without obligation and does not exempt the buyer from carrying out own investigations and tests in order to ascertain the product's specific suitability for the purpose intended. The buyer is solely responsible for the application, utilisation and processing of the products, and must observe the laws and government regulations and the consequential rights of any third party. Any exception of the above-mentioned restrictions requires the manufacturer's express release in writing.
2. The products sold and/or supplied by us are not destined for the manufacture (i) of medical devices according to EU directive 93/42/EEC, in particular of implants, (ii) of biocides, (iii) of pesticides, (iv) of human and veterinary pharmaceuticals, (v) of food and feed products, (vi) of cosmetics, (vii) of weapons or other objects, designed to take human life or causing injuries.
3. At all times our Conditions of Sale apply.
4. Our product lists include dangerous goods. The correct marking of such goods is described in the respective datasheets.



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