



CERADUR®

Http://www.awt-septec.com

企业简介

Brief Introduction

湖南省醴陵市威特分离技术有限公司是一家集科研、生产、应用于一体化的专业化工填料及塔内件企业，公司技术力量雄厚，拥有从事化工填料研究、设计的专家、教授和工程技术人员，可根据客户的技术要求研制生产，并向用户提供塔器改造工艺、工程设计、和生产安装等一条龙服务。

公司主要产品有：陶瓷规整（波纹）填料系列；散堆填料系列；陶瓷塔内件系列（陶瓷液体分布器，陶瓷液体收集器，陶瓷支撑板）；蜂窝陶瓷系列；氧化铝球系列；泡沫陶瓷；沸石分子筛；微孔过滤板；耐酸耐温瓷砖、板等各种耐酸、耐碱工业瓷产品。适用于国内外硫酸、化工、冶金、醋酸、氯碱、煤气、化肥、染料、制药、造漆、电力、环保、石油等行业。

本公司宗旨是：以完善的服务向全球化工企业提供优质的产品，奉行以科技为主体，凭籍高信息手段的优势，充分利用国内外先进技术，致力于研制、开发具有优异性能的化工填料，环保陶瓷产品，应用于国内各种化工领域，并出口欧美、东南亚等地区，产品质量得到化工界许多国际化工集团的认可和好评，尤其是本公司的CERADUR 牌高白强化陶瓷规整波纹板填料成为欧洲许多化工集团的指定使用产品。湖南省醴陵市威特分离技术有限公司将不断创新，开辟工业陶瓷的新领域，竭诚希望与国内外企业，贸易界人士精诚合作，为促进双方的共同发展而努力。

Hunan Liling AWT Separation Technology Co.,Ltd was founded as a leading chemical packing manufacturer encompassing research, production and application. Being supported by highly qualified experts and professors specializing in chemical packing development and design, and experienced engineering technicians, we are able to design and produce products and equipments on customer's special technical requirements, as well as offering complete sets of service for whole project including tower revamp, engineering design, equipment installation and plant start-up.

The main businesses of Hunan Liling AWT Separation Technology Co., Ltd include the manufacture of ceramic structured packing and ceramic tower internals, random packing, honeycomb monolith, molecular sieve and environmental protection series plus other kinds of acid-resistant and alkaline-resistant ceramic products used in petroleum refining, petrochemical, metallurgy and environmental protection fields.

Based on strong technical resources and best service, Liling AWT Separation Technology Co., Ltd has been aiming to supply high quality products to all chemical-oriented enterprises all over the world, since close cooperation with AWT (GERMANY AWT WERNER TUTAS) and support to each other to offer reliable products and service to customers for some years already, AWT 's products with highly recognized trademark of CERADUR® have been enjoyed high reputation for stable and high quality in Europe. In 2005, due to this mutual understanding, with highly-skilled strength from both sides, the optimal management as a whole team has been adopted.

By means of continuous technological innovation and active research, Liling AWT Separation Technology are looking to develop worldwide markets for its products and look forward to developing its international acceptance as a world leader in this industry.



湖南醴陵威特分离技术有限公司

HUNAN LILING AWT SEPARATION TECHNOLOGY CO.,LTD

陶瓷波纹(规整)填料 Ceramic structured packing

陶瓷波纹填料是由许多具有相同几何形状的填料单元体组成。有通量大、阻力小、效率高、耐腐蚀、耐高温（可达1000摄氏度以上）、操作弹性大、放大效应不明显等优点。特别适用于高温及腐蚀性介质的分离过程，操作压力在0.1--500KPa之间，应用效果良好。卤化有机化合物的精馏；对压降和理论板数有严格要求的腐蚀性混合物的精馏、吸收等过程；硫酸吸收、硝酸提浓及化肥厂气体净化等含有大量酸性介质的塔中。

优异的性能

- 一、流通量大。新塔设计可缩小塔直径，老塔改造可大幅度增加处理量。
- 二、分离效率高。较散堆填料有大得多的比表面积。
- 三、压降低。可大量节约能源。
- 四、操作弹性大，放大效应不明显。
- 五、适用于各种塔径。
- 六、强抗酸、碱，尤其是H₂S、环烷酸氯离子的腐蚀。



In comparison with conventional packings, CERADUR packing has many advantages:

- High liquid & vapor loading, Column I.D. Could be designed smaller for new equipment and capacity could be increased dramatically for existing column revamp
- Low pressure drop, considerable energy savings.
- High mass-transfer efficiency. Much higher specific surface area than random packing.
- Wide turndown ratio. Easy to scale up.
- Suitable for all sizes of column.
- High resistance to nearly all mineral and organic acids and derivatives, partly resistant to alkalis.

Nowadays CERADUR is finding wider and wider applications in distillation, absorption, extraction columns in petrochemical industry and chemical fertilizer industry.

陶瓷波纹（规整）填料的理化性能 Technical parameter of ceramic structured packings

吸水率(%) Water absorption(%)	体积密度(g/cm³) Bulk density(g/cm³)	气孔率(%) Porosity rate(%)	耐酸度(%) Acid-resistance(%)	190摄氏度急冷急热两次 (190 centigrade degree) Temperature limit test (190 centigrade degree)
0.384	2.31	1.08	99.90	外观无任何变化 No change in appearance