



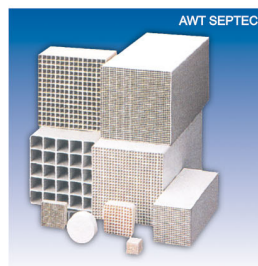
CERADUR®

湖南醴陵威特分离技术有限公司

HUNAN LILING AWT SEPARATION TECHNOLOGY CO.,LTD

Http://www.awt-septec.com

蜂窝陶瓷 Honeycomb structure



蜂窝陶瓷是一种多孔性的工业用陶瓷，其内部是许多贯通的蜂窝形状的平行通道，这些蜂窝体单元，由格子状的薄的间壁分隔而成，与一般陶瓷相比，具有低热膨胀性，耐热冲击，比表面积大，耐腐蚀等特性。

Ceramic honeycomb is one kind of ceramics made from cordierite, aluminum titanate with structured beehive channel for industrial application. Compared with general ceramic materials, they are of superior performance in low heat expansion ratio, high Thermal shock resistance, large specific surface area, Anti corrosion.

蜂窝陶瓷物理性能

Physical Index of honeycomb structure

性能 performance	单位 Units	铝质瓷 Aluminum porcelain	莫来石质 Mullite	致密堇青石质 Cordierite Dense	疏松堇青石质 Cordierite Dense	炆瓷 Stoneware
密度 Density	G/ cm ³	2.7	2.1	2.47	2.47	2.3-2.4
热膨胀系数 Coefficient of expansion	10 ⁻⁴ /K ⁻¹	5-7	6-20	1.3-1.4	1.3-1.4	4-7
热容量 Heat capacity	J/Kg	800-900	850-1050	800-1200	800-1200	840-920
耐热冲击 Resistance to heat shock	K	150	350	250	250	250
最高使用温度 Maximum operation temperature	°C	1300	1600	1300	1300	1200

蜂窝陶瓷理化性能及规格

Specification and chemical Index of honeycomb structure

序 号 Num	1	2	3	4	5
长×宽×高 (mm) Length, width, height	150×150×300	150×150×300	150×150×300	150×150×300	150×150×300
孔数 No. of channels	25×25	40×40	50×50	43×43	34×34
孔径宽 Width of Channel	4.9mm	3.0mm	2.26mm	3.0mm	3.9mm
壁厚 (mm) Wall thickness	1.0mm	0.7mm	0.7/0.55mm	0.5mm	0.45mm
比表面积M ² /m ³ Specific surface area	540m ² /m ³	825m ² /m ³	1005m ² /m ³	1000m ² /m ³	805m ² /m ³
空隙率 Void fraction	67%	65%	57/64%	72%	80%

耐酸耐温瓷砖瓷板

Acid-resistance bricks and tiles

耐酸耐温瓷砖、瓷板、瓷管执行国标GB8488-7标准。耐酸瓷砖、瓷板、瓷管广泛用于冶金、化工、医药等行业干燥塔、反应器等设备的内衬及防腐蚀的地板、通道、防腐池等。

Acid resistance ceramic bricks and tiles are produced strictly according to ministerial standard GB8488-87 and we re applied to inner lining in reaction tank, dryer tower and channel in the anti-corrosion treatment chute.



砖、板主要型号规格

Main specification of acid resistant bricks & tiles

名称 Name	规格 Specification	名称 Name	规格 Specification
标准砖 Remark Bricks	230 x 113 x 65	耐酸瓷板 Acid-resistant Boards	100 x 110 x 15
矩形砖 Regular Bricks	230 x 65 x 65	耐酸瓷板 Acid-resistant Boards	150 x 150 x 15~30
楔形砖 Wedge Bricks	230 x 113 x 55/65	耐酸瓷板 Acid-resistant Boards	150 x 75 x 15~30
楔形砖 Wedge Bricks	230 x 113 x 25/65	耐酸瓷板 Acid-resistant Boards	100 x 100 x 10~30
竖楔砖 Vertical Bricks	230 x 113 x 55/65	耐酸瓷板 Acid-resistant Boards	80 x 80 x 10
竖楔砖 Vertical Bricks	230 x 113 x 25/65	耐酸瓷板 Acid-resistant Boards	50 x 50 x 10



微孔过滤砖板

Micro-hole filtering bricks and tiles

Micro-hole ceramic filtering bricks and pipes series products are made from porous porce Lain raw material and rare earth element.

Owing to its distinctive characteristics of high - temperature resistance, anti corrosion, high mechanical strength and long-term service life, Micro-hole ceramic filtering bricks and pipes has been used for purification process of exhaust gas and liquid wastes.

微孔陶瓷是由多孔陶瓷原料掺加稀土元素精制而成。它具有耐高温、耐化学腐蚀、气孔分布均匀、机械强度高、易于清渣、再生简单、使用寿命长等优点。可广泛应用于化工、冶金、煤气、火电等行业废水、废气的净化处理。

微孔过滤砖板的规格及应用

Specification and application of micro-hole filtering bricks and tiles

微孔过滤管 Micro-hole filtering pipe	外径 Outside Diameter 32-200	长 Length 500-1000	有带底带紧固直通管 With bottom cover	广泛应用于化工、医药、机械、电镀、食品加工等行业的纯水槽液污水处理 Extensive application including liquid waste treatment in various fields such as chemical pharmacy, machinery and food stuff process
微孔过滤板 Micro-hole filtering tile	长度 Length 150-400	宽度 Width 150-400	厚度 Thickness 30-60	
微孔过滤砖 Micro-hole filtering brick	长度 Length 230	宽度 Width 113	厚度 Thickness 35-60	应用于冶炼化工、钢铁、合成橡胶、织、制药、食品等行业过滤酸性气体、空气净化、污水处理等 For air purification in different industry such as steel, compound rubber, textile.