



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

泡沫陶瓷 Foamed ceramics



泡沫陶瓷过滤片具有质轻、强度高、比表面积大、通孔率高、耐腐蚀、抗高温冲击力强等特点，它具有开口的网状结构，可以集渣的总表面积很大，能把细小的夹杂物吸附到过滤片的内孔表面加以去除，使金属液平稳充型。对于由杂质造成的缺陷非常敏感，泡沫过滤片能够帮助提高铸件的质量和有效地减少废品率，有效去除最终导致产品质量缺陷渣眼、砂眼、气眼等质量问题。在铸造铁、铸造钢、铸造铜、铸造铝工艺中得到广泛应用。

Having stable performance in high porosity, corrosion resistance, high temperature resistance, high specific surface area outside and inside to contain impurities, it can remove the impurity which cause the defect product to improve the quality of castings dramatically, so foamed ceramics is a essential filtering in steel and iron casting molding industry.

泡沫陶瓷技术参数

Technical parameter of foamed ceramic

参 数 parameter	YH1	YH2	YH3	YH4
孔隙率Porosity (%)	85%~90%	85%~90%	65%~90%	65%~90%
密度Density(g/cm ³)	0.5~0.7	0.45~0.7	0.4~0.7	0.4~0.7
比表 面积Surface area (cm ² /g)	>1.0 × 10 ⁴	1.0 × 10 ⁴	>1.0 × 10 ⁴	>1.0 × 10 ⁴
抗压 强度Compression strength(Mpa)	4	>4	3	3
操作温度Operation temperature (°C)	1400~1450	1400~1450	1100~1750	700~900
持续工作操作Continuous Operation period(M)	5	10	10	10
热稳定性测试Thermal stability	急热急冷 五次不裂Five times	急热急冷 三次不裂Three times	急热急冷 三次不裂Three times	急热急冷 三次不裂Three times
应 用application	钢水过滤Steel casting	铁水过滤Iron casting	铜水过滤Copper casting	铝 水过滤Aluminum casting

分子筛 Molecular sieve

具有几何形状的高效分子筛，是由特种陶瓷材料精制而成。具有热稳定性好、吸附性能强、比表面积大、强度高等特点，可广泛用于石油化工、天然气、煤气、制氧等行业。

Molecular sieve with different kinds of geometrical shape is made from special ceramic material has advantages in high absorption ability, good thermal stability performance, large surface area, it is ideal media for drying and separation process in the field of petrochemical, natural gas, coal gas industry.



分子筛技术参数及应用

Technical parameter and applications of molecular sieve

型号	比表面积(g/ml)	静态吸附率 (%)	磨损率 (%)	应 用
3A	0.60~0.68	≥20	0.3~0.6	不饱和烃和裂解气，乙烯，乙炔，丙烯，丁二烯等干燥 *液体（如乙醇）的干燥 *中空玻璃中空气干燥 *N2-H2 混合气体干燥 *制冷剂的干燥 Drying process for petrochemical cracked gas
4A	0.60~0.65	≥21	0.3~0.6	空气，天然气，烷烃，致冷剂等气体和液体的深度干燥 drying and separation for natural gas
5A	0.60~0.65	≥21	0.3~0.5	*天然气干燥，脱硫，脱CO2 *N2-O2 混合气体干燥 *石油脱蜡，从支链，环烷中分离正构烷 absorption under changing pressure for oxygen or hydrogen production; drying and purification for air; dehydration and desulfurization for natural gas;
5A DW	0.45~0.50	≥22	0.3~0.6	航空煤油及柴油的脱蜡，降凝 Water absorption, desulfuration in oil and gas
10X	0.50~0.60	≥24	0.3~0.6	高效吸附剂，用于气体和液体的干燥，脱硫，脱碳 High-efficiency absorbent
13X	0.55~0.65	≥24	0.3~0.5	*空分装置中空气净化脱除CO2和H2O*天然气，液化石油气，液态烃的干燥和脱硫 *常用气体干燥 Dryer, desulfuration and purification
13X- A5	0.55~0.65	≥24	0.3~0.5	用于空分行业的脱碳，干燥 Dryer, decarbonation in air separation
Cu-13X	0.50~0.60	≥24	0.3~0.50	用于航空煤油及相应液态烃类的脱硫醇 Absorbent for removal of sulfur alcohol in oil gas