

Acid-Resistant Brick

Acid-Resistant Brick is produced from high quality high silicon Oxide and Acid-resistant raw materials. It can effectively resist the corrosion from the high sulfur flue gas. It is widely used in the easily corroding position such as the Funnel, Flue Pipe of the heat engineering equipments in the electricity, petrochemical and foundry industries.

The main composition of Acid-Resistant Brick is silica. After firing the silica become andalusite structure. It is with excellent acid resistance. The Acid-resistant Brick is with compact structure, low water absorption. It can resist any concentration of alkali, but it can not bear the alkali in high temperature.

For Chemical industry, the Acid-resistant Brick is applied in the acid gully, acid well, tank or the place where the acid shock is serious.

Technical Parameters

Code 型号		AR16	AR10
Item 项目			
SiO ₂	%	≥ 65	≥ 65
Bulk Density 体积密度	g/cm ³	1.6 ~1.8	1.0~1.3
Compressive strength 耐压强度	MPa	≥ 15	≥ 10
Thermal Conductivity 导热系数	W/m.k (350°C±25°C)	≤ 0.65	≤ 0.45
Water Absorption 吸水率	%	≤ 5	≤ 5*
Acid Resistance 耐酸度	%	≥ 98	≥ 97
Working Temperature 长期工作温度	°C	>1000	>1000
Characteristic 特性	Good Acid Resistance, Good Corrosion Resistance 耐酸性能良好、具有显著的防腐抗侵蚀性能		
Working Position 使用部位	Funnel, Flue Pipe 烟囱, 烟道		

* working surface 工作面