



Heat Storage Body

AMI Heat Storage Body includes heat storage ball and honeycomb ceramic filters.

• Heat Storage Ball

Heat Storage Ball is produced from alumina powder through iso-static pressure or rotating moulding technique and fired through high temperature tunnel kiln. Heat Storage Ball is with advantages of high temperature resistance, anticorrosion, high thermal stability, high density, high strength, high thermal storage and release capacity, good heat-conducting property. They are mainly used as the energy storage and heat storage filling materials for blast heater in metallurgy industries, especially suitable for filling materials of heat accumulator for air separating equipment and gas-fired furnace for blast furnace in steel factory. Through the heat storage ball dual preheat both the gas and air, and make the lower heat value inferior fuel burning stably, and make the burning temperature rapidly achieve the required degree to heat the billet for steel rolling.

Available Sizes: dia. 3~100mm

Technical Parameters

| Al ₂ O ₃ | Density | Rockwell Hardness | Compressive Strength | Refractoriness | Thermal Conductivity | Porosity | Reburning Linear Shrinkage |
|--------------------------------|-------------------|-------------------|----------------------|----------------|----------------------|----------|----------------------------|
| % | g/cm ³ | HRA | MPa | °C | 500°C | % | % |
| 60-70 | 2.8-3.0 | ≥75 | ≥1700 | 1650 | ≤0.4 | ≤0.6 | ≤0.1 |
| 80-85 | >3.2 | ≥80 | ≥1800 | 1700 | | | |
| 90-92 | >3.5 | ≥85 | ≥1900 | 1800 | | | |
| 95-99 | >3.7 | ≥88 | ≥2000 | 1850 | | | |



- **Honeycomb Ceramic Filter**
(To be completed)

Welcome to contact us for more details.

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