

Hydrogen Storage Alloys AUERSTORE® AB₅

Features

- High specific capacity
- Excellent high rate capability
- Outstanding performance at low / high temperatures
- High corrosion resistance

Applications

- Rechargeable Nickel-Metal Hydride Batteries for consumer / portable electronic devices, power tools, hybrid electric vehicles, emergency lighting units
- Hydrogen Storage Units (Fuel Cell Systems, Hydrogen Internal Combustion Engines)
- Hydrogen purification (99.9999 %)
- Air conditioning / refrigerators

Chemical Compositions

- La rich mischmetal based alloys
- Ce rich mischmetal based alloys

Electrochemical Characteristics

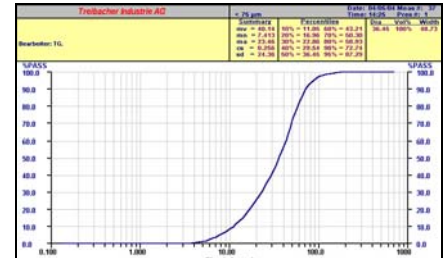
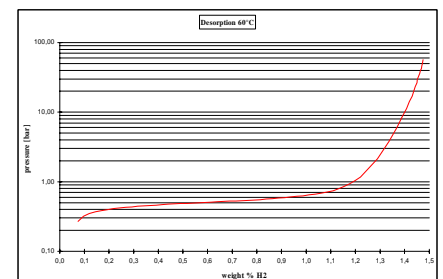
- min. 290 mAh/g up to 340 mAh/g

Physical Parameters

- Powder (<45 µm up to <1000 µm; standard: <75 µm)
- Lumpy
- Other sizes and particle size distributions upon request
- Bulk density: 3.6 +/- 0.3 g/cm³ (standard <75 µm powder)
- Tap density: 4.9 +/- 0.3 g/cm³ (standard <75 µm powder)

Packaging

- PE bags in metal drums; under inertgas
- Adjustable to customers requirements within dangerous goods regulations



Examples of PCT and PSD properties.