

Soft magnetic metal material

Soft Magnetic Metal Powder (Atomized Powder)

FEATURES

TODA KOGYO Group is manufacturing Fe-based alloy materials, FeSiCr and FeSiAl, of soft magnetic metal powders by water atomization method. They are used as a raw material for various electronic components.

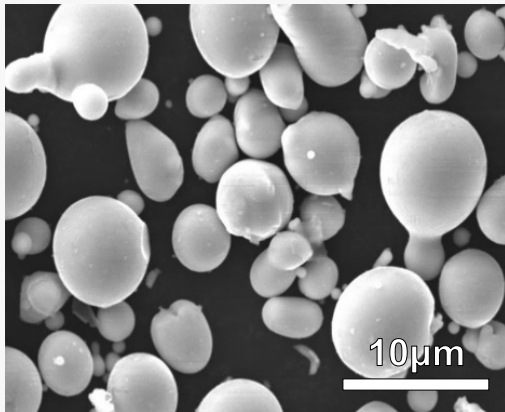
CHARACTERISTICS

- 1 Composition control**
It is possible to control the alloy composition according to your requests, using the high-temperature melting process.
- 2 Particle size control**
These materials are provided with particle sizes, several μm to tens of μm , depending on your requests.

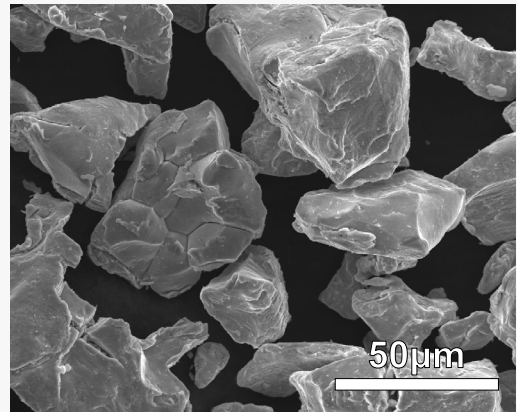
SPECIFICATIONS

【Typical specifications】

Composition	Particle size distribution D50 (μm)	Tap density TD (g/cm^3)	Oxygen content (wt%)
FeSiCr	18.0	3.70	≤ 0.7
	10.0	4.30	≤ 0.2
FeSiAl	45.0	3.95	≤ 0.4



Spherical particle



Crushing particle

【Typical SEM images of products】

APPLICATIONS

- Power inductors
- Reactors
- Choke coils

