

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

Composition control
It is possible to control the alloy composition according to your requests, using the high-temperature melting process.

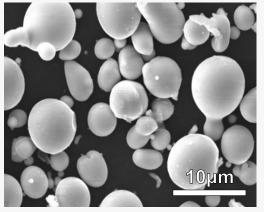
Particle size control

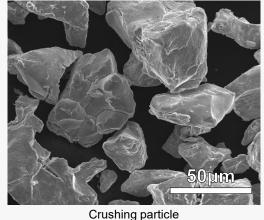
2 These materials are provided with particle sizes, several µm to tens of µm, depending on your requests.

SPECIFICATIONS

[Typical specifications]

Composition	Particle size distribution D50 (µm)	Tap density TD (g/cm³)	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

[Typical SEM images of products]

APPLICATIONS

Power inductors

Reactors

Choke coils



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