Soft magnetic metal material

Spherical Submicron Metal Powder



OVERVIEW

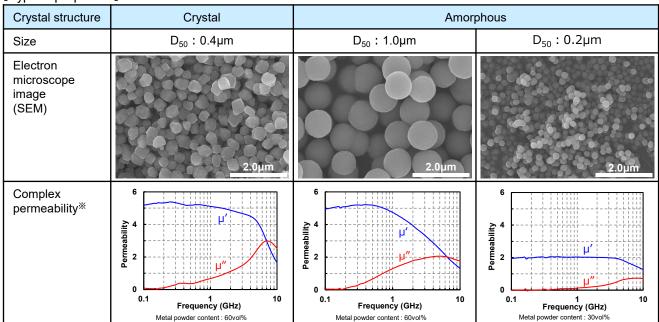
TODA KOGYO has been developing submicron-sized Fe-based soft magnetic metal powders with both high sphericity and uniform particle size distribution. By using this powder, it is possible to realize electronic components such as high-performance inductors. They are also suitable for the development of next-generation electronic components, taking advantage of the characteristics in high frequency band.

FEATURES

Uniformly sized fine particles	The particle size can be controlled between 0.2 and 1.0 μm with a uniform particle size distribution.
High sphericity	They have a high sphericity and are ideal as auxiliary particles to fill the gaps of large particles to form a closepacked structure.
Crystal structure control	Since the crystal and amorphous particles can be prepared, suitable crystal structures are supplied for your application.

CHARACTERISTICS

[Typical properties]



The data were measured by a network analyzer on a sheet of silicone resin kneaded with metal powder

APPLICATIONS

- High performance, high frequency inductors
- High frequency antennas
 Noise suppression materials such as sheet

