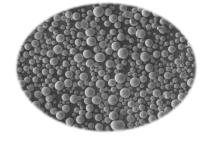
#### Soft ferrite material

# **Spherical Soft Ferrite**



TODA

#### **OVERVIEW**

We have developed a spherical particle using our own soft magnetic ferrite. The particle has excellent properties for filling and dispersing in resin due to its high sphericity and surface smoothness. It is suitable as a filler dispersed in resin and can be used for magnetic shielding materials, circuit board applications, etc.

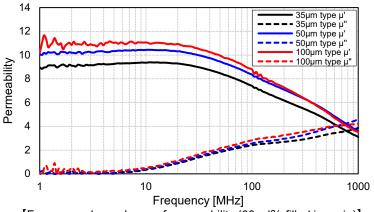
#### **FEATURES**

High filling properties	Due to its high sphericity and surface smoothness, it has a superior fillir property for resin.			
Various magnetic properties	We supply soft ferrite particle with requested magnetic properties by controlling physical properties such as particle size and composition.			

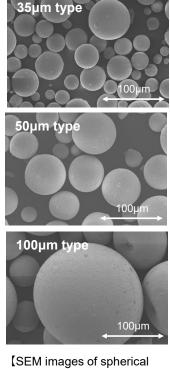
### CHARACTERISTICS

[Characteristics of typical samples]

Туре			35µm type	50µm type	100µm type
Kind of soft ferrite			Ni-Zn type	Ni-Zn type	Ni-Zn type
Particle size distribution	D10	[µm]	25.0	30.3	70.0
	D50	[µm]	36.7	50.4	111.0
	D90	[µm]	53.6	80.5	170.0
Permeability (60vol% filled in resin)	µ' at 50MHz	[-]	8.5	9.5	10.0
	µ' at 100MHz	[-]	7.4	8.4	8.8
Magnetic property (60vol% filled in resin)	Saturation magnetization	[mT]	256	239	192
	Remanent magnetization	[mT]	7.4	6.8	5.8
	Coercivity	[kA/m]	1.4	1.4	1.3







soft ferrite

### **APPLICATIONS**

Noise suppression materials
Semiconductor sealing materials

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Circuit boards