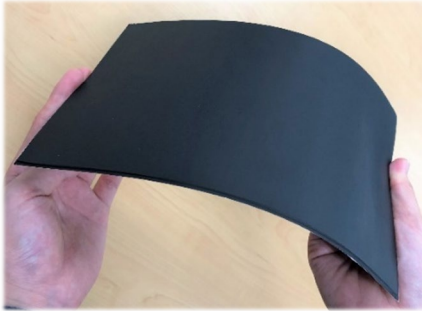


Soft ferrite product



Flexible Mn-Zn Ferrite Plate for WPT

(Thick and Ultra-Large Flexible Ferrite Sheet)

FEATURES

Flexible Mn-Zn ferrite plates are used in low frequency wireless power transfer (WPT) devices to charge on-board batteries for electric vehicles (EV) and automatic guided vehicles (AGV). When they are attached to coils of WPT, the power transmission efficiency is improved.

CHARACTERISTICS

- 1 **Thick and ultra-large size**
The plates have thicknesses of 1 to 2 mm, and ultra-large size is also available.
- 2 **High flexibility**
Magnetic properties are unaffected by bend or shock due to their flexibility.
- 3 **Material design focused on low frequency (85 kHz) WPT**
Material properties are optimized for WPT mounted on vehicles.

SPECIFICATIONS

【Product specifications】

GRADE	PM12 PLATE	PM16 PLATE
Material	Mn-Zn ferrite	Mn-Zn ferrite
Thickness [only ferrite] (mm)	1.0 ~ 2.0 [※]	1.0 ~ 2.0 [※]
Standard size (mm)	200 x 100 [※]	200 x 100 [※]

[※]Please contact us if you need other thickness or size of plates.

【Ref.）Material specification】

GRADE	PM12	PM16
μ' at 10kHz, 1mT	3200 ± 25%	3400 ± 25%
Core loss Pcv (kW/m ³) at 100kHz, 200mT	315	305



【Example of Plate Configuration】

[※]Customizable to laminate with any tapes.
Ex.) PET cover tape can be changed to adhesive tape.

APPLICATIONS

- High current WPT devices
- EMC devices

