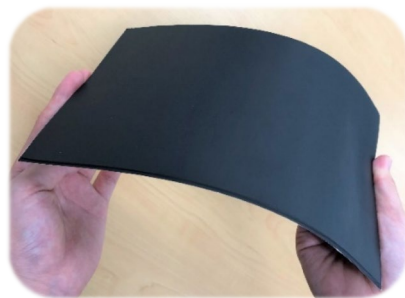


Soft ferrite component

# Flexible Mn-Zn Ferrite Plate for WPT (Thick and Ultra-Large Flexible Ferrite Sheet)



## OVERVIEW

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.

## FEATURES

### Thick and ultra-large size

The plates have thicknesses of 1 to 2 mm, and ultra-large size is also available.

### High flexibility

Magnetic properties are unaffected by bend or shock due to their flexibility.

### Material design focused on low frequency (85 kHz) WPT

Material properties are optimized for WPT mounted on vehicles.

## CHARACTERISTICS

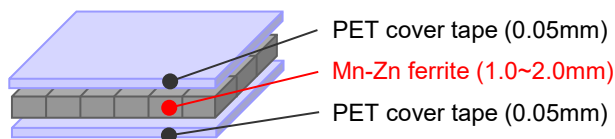
### 【Product specifications】

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

<sup>\*</sup>Please contact us if you need other thickness or size of plates.

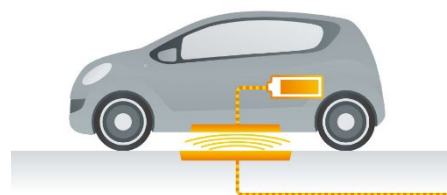
### 【Ref. Material specification】

GRADE	PM12	PM16
$\mu'$ at 10kHz, 1mT	3200 ± 25%	3400 ± 25%
Core loss P <sub>cv</sub> (kW/m <sup>3</sup> ) 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.



## Wireless Power Transfer

## APPLICATIONS

- High current WPT devices
- EMC devices

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