



Flux Field Directional Material EM15TP

Preliminary technical data

April, 2014

Product Description: 3M™ Flux Field Directional Material FFDM is a soft magnetic composite material.

The key features of the 3M™ FFDM EM15TP includes:

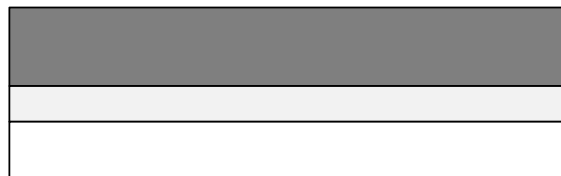
- High Permeability magnetic material
- Flexible composite material

The 3M™ FFDM EM15TP is useful for many applications where the manipulation of a flux field is desired. Typical applications include:

- Wireless power charge device
- Electro-magnetic induced input device
- Mobile electronic device
- General electronics

3M™ FFDM EM15TP is available in customized size.
(* Maximum size : 320 mm x 320 mm)

Product Construction:



Composite magnetic material

Adhesive

PET liner

Structure		EM15TP
Magnetic layer	Polymeric resin with magnetic fillers	100, 200, 300 μm
Adhesive Type	Acrylic	20 μm
PET Liner	PET film	36 μm
Total Thickness		120, 220, 320 μm

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Flux Field Directional Material

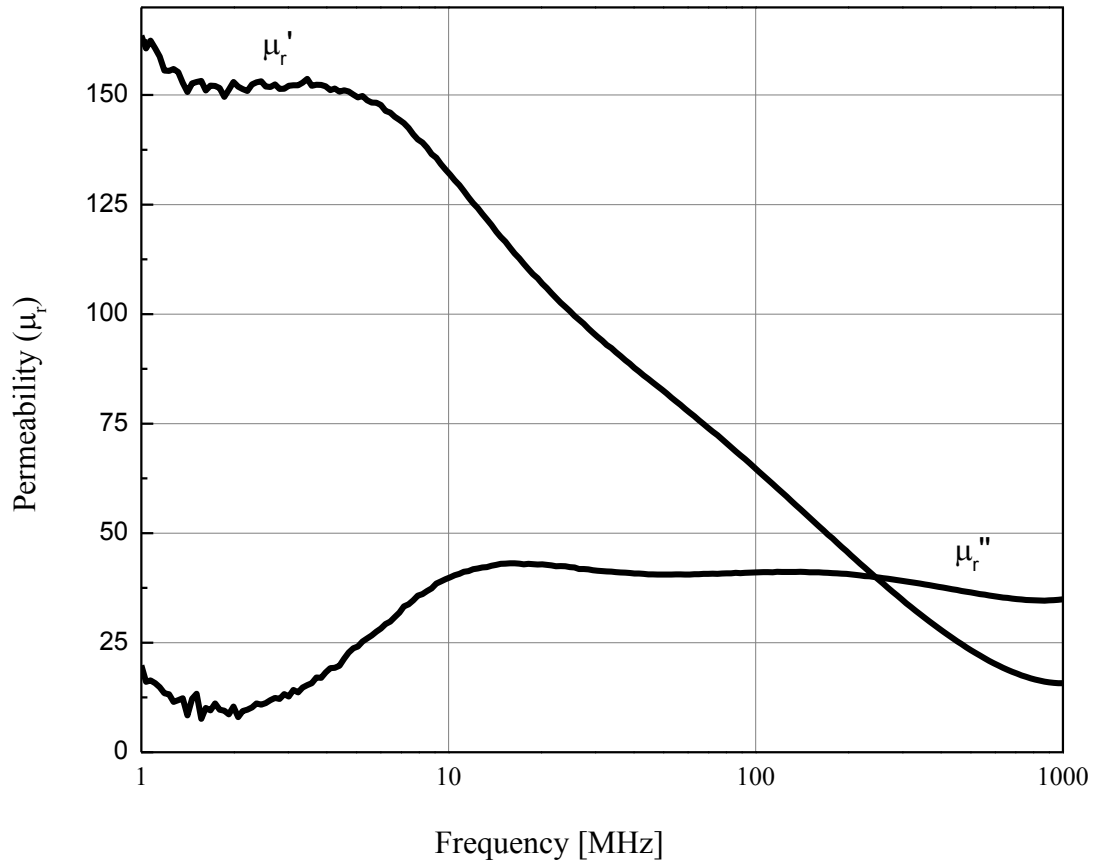
Typical
Properties :

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Product	EM15TP
Permeability at 3 MHz *	150
Surface Resistivity * (Top/Bottom Side)	Min $1 \times 10^5 \Omega$
Temperature Range	-25 ~ 90 °C

* These values are measured with a toroidal shaped soft magnetic layer material : 3M test method

Permeability





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