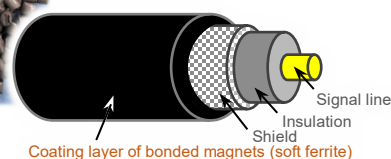
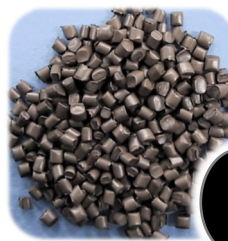


Soft magnetic compound

# EMC Compound for Extrusion Molding



## OVERVIEW

(EMC compounds for extrusion molding are soft magnetic mold materials mixed TODA KOGYO' s soft ferrite powders or soft magnetic metal powders with PVC or SEBS resin, which have both excellent magnetic properties and extrudability. When used as a cable coating layer, they provide a noise suppression effect by imparting impedance.

## FEATURES

**High impedance property in the microwave frequency band**

The sheath structure enables a high noise suppression effect in a wide frequency band.

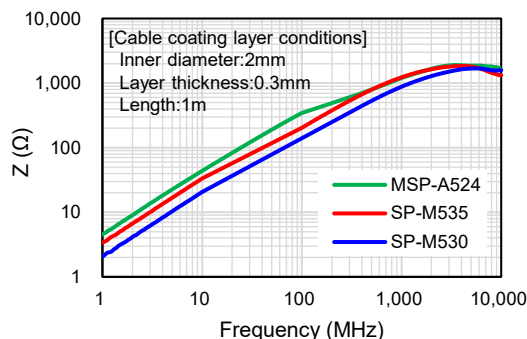
**Excellent extrudability**

The use of magnetic powders suitable for resin compounding enables excellent moldability.

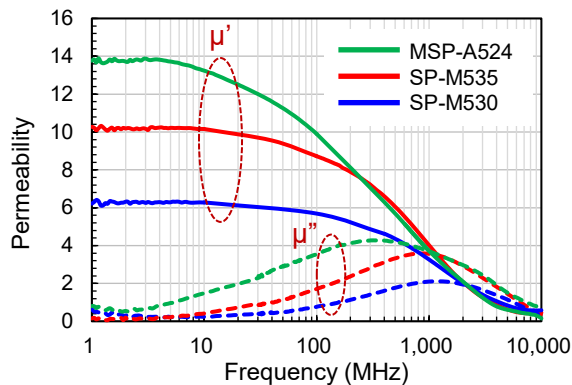
## CHARACTERISTICS

【Properties of typical product】

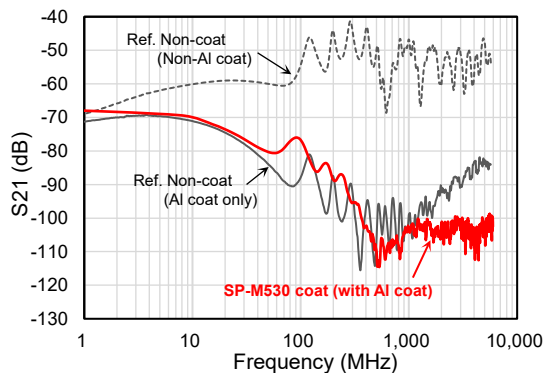
	SP-M530	SP-M535	MSP-A524
Material	Mn-Zn ferrite+PVC	Mn-Zn ferrite+PVC	Fe-Si-Al+PVC
Molding density (g/cm <sup>3</sup> )	3.0	3.5	2.4
Fluidity MFR (g/10min) [190°C/10kgf]	≥20	≥20	-
μ' at 10MHz	6	10	13
μ'' at 10MHz	0.2	0.4	2
μ' at 100MHz	6	9	10
μ'' at 100MHz	1	2	4
μ' at 400MHz	5	6	5
μ'' at 400MHz	2	3	4



【Impedance properties of coating materials】



【Frequency dependence of permeability】



【Shielding properties for external conductor of SP-M530】  
Measured by Tube In Tube method (IEC-62153-4-7 compliant)

## APPLICATIONS

- Cable coating material with noise suppression function.
- Noise suppression sheet.

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