

Soft magnetic molding material

EMC Compound for Extrusion Molding

FEATURES

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.

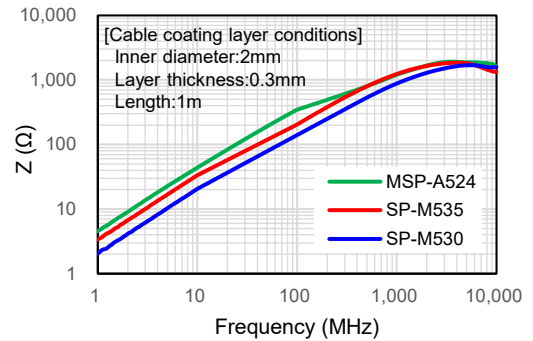
CHARACTERISTICS

- 1 High impedance property in the microwave frequency band**
The sheath structure enables a high noise suppression effect in a wide frequency band.
- 2 Excellent extrudability**
The use of magnetic powders suitable for resin compounding enables excellent moldability.

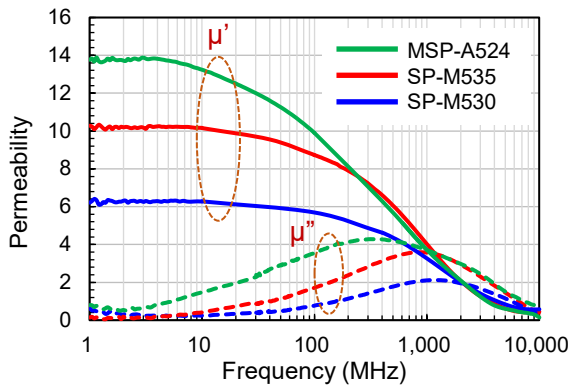
SPECIFICATIONS

[Properties of typical product]

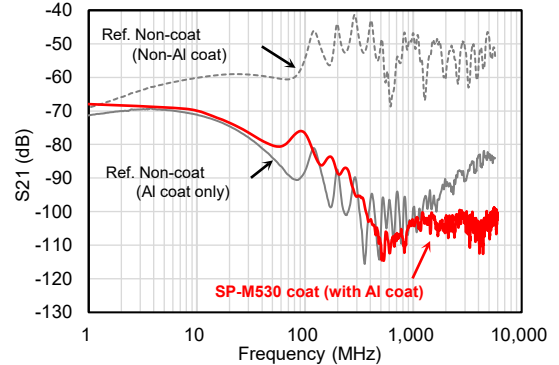
	SP-M530	SP-M535	MSP-A524
Material	Mn-Zn ferrite/PVC	Mn-Zn ferrite/PVC	Fe-Si-Al/PVC
Molding density (g/cm ³)	3.0	3.5	2.4
Fluidity MFR (g/10min) [190°C/10kgf]	≥20	≥20	-
μ' at 10MHz	6	10	13
μ'' at 10MHz	0.2	0.4	2
μ' at 100MHz	6	9	10
μ'' at 100MHz	1	2	4
μ' at 400MHz	5	6	5
μ'' at 400MHz	2	3	4



[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.

