

Fully Sintered Soft ferrite powders (FSCP)

Cosmo Ferrites now offers newly developed fully sintered MnZn ferrite powder for advanced applications such as: -

- i. Magnetic Shield Casing / Enclosures, Encapsulation of circuits, Gap fillers and Electronic Potting compounds.
- ii. Microwave heating, inductive heat sealing.
- iii. EMI Suppressors and attenuators, High Tension Ignition Cables.
- iv. Magnetic Fluids/pigments, Coating on film, cable, fiber, fabric etc.
- v. Elastomers for Injection molded, Extruded & Roll compacted applications in resin/nylon-compounded form.

FSCP materials are supplied as loose and fine powder, and are available in Low permeability and Medium permeability grades. These materials provide excellent magnetic performance and superior density over ready to press powder (granulates).

TYPICAL CHARACTERSTICS

Parameters	FSCP-L	FSCP-M
Grain Shape	Infinite form/Irregular	Infinite form/Irregular
Particle Size (-400mesh)%	98	90 [#]
Specific Saturation Magnetization (Gauss-cm ³ /gm)	80	65
Initial Permeability*	2000	5000
Curie Temperature (°C)*	200 min	120 min
Specific surface area (m ² /gm)	0.2-0.7	0.2-0.7

* Properties are based on measurements on sintered ferrite core T2512 and should only be used as a reference.

Custom made particle sizes are available for the Customer's requirement.

For more details on FSCP Materials please contact: -

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