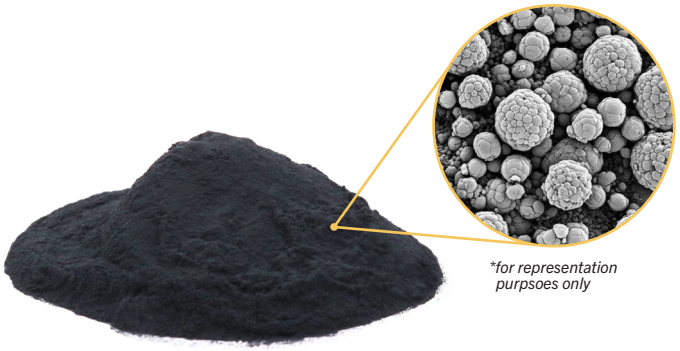
FAIR-RITE®

SINTERED FERRITE POWDER

Fair-Rite now offers a selection of ferrite materials in sintered powder form—made from the same base material as our solid ferrite components. Sintered powder will not match the performance characteristics of solid ferrite components but may be useful for a variety of experimental and production applications.



APPLICATIONS

- Experimentation
- Flux Containment
- Inductance Tuning
- RF Absorbtion

Most ferrite components are pressed before firing; this pressure allows them to form continuous crystalline structures during firing. Since our sintered powder products are not pressed, they do not form continuous crystalline structures. Instead, there is free space between each particle. The net result is that the normal properties associated with a pressed component—permeability, temperature response, and saturation—will be muted in sintered powder of the same material. This makes sintered powder well-suited for use in areas where air would already exist.

77 MATERIAL™ = MnZn 68 MATERIAL™ = NiZn

PART NUMBER	MATERIAL	PARTICLE SIZE	PACKAGE SIZE	WEIGHT	AVAILABLE IN DISTRIBUTION?
0PM77SP100S	77	100µm MAX	Sample	100g	Yes
0PM68SP100S	68	100µm MAX	Sample	100g	Yes
0PM77SP350S	77	350µm MAX	Sample	100g	Yes
0PM68SP350S	68	350µm MAX	Sample	100g	Yes
0PM77SP100B	77	100µm MAX	Bucket	17kg	No
0PM68SP100B	68	100µm MAX	Bucket	17kg	No
0PM77SP350B	77	350µm MAX	Bucket	17kg	No
0PM68SP350B	68	350µm MAX	Bucket	17kg	No

PARTICLE SIZE DISTIBUTION BY WEIGHT

MICRONS	% BY WEIGHT	
	100 MICRON POWDER 0PMXXSP100B	350 MICRON POWDER 0PMXXSP350B
250	100.00%	99.98%
149	99.25%	76.05%
105	92.48%	27.20%
74	74.54%	9.27%
44	41.49%	2.19%
<44	0.00%	0.00%

Sample

Bucket

For more information on Fair-Rite® Sintered Powder, please visit **www.fair-rite.com**. For specific questions, use the **Ask the Advisor** section or give us a call at 888.324.7748.

888.324.7748 / 845.895.2055 P.O. Box 288, One Commercial Row, Wallkill, NY 12589-0288