Sintered Ferrite Powder (0PM77SP100S)

Part No. 0PM77SP100S



Part Number	0PM77SP100S
Description	77 Sintered Ferrite Powder Sample
Part Type	Sintered Ferrite Powder
Frequency Range	77 Material
Where Used	Sintered Ferrite Powder
Material Grade	77

ORDERING INFORMATION

Part Number: 0PM77SP100S

77 Material Sintered Ferrite Powder

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

Most ferrite components are pressed before firing; this pressure allows them to form continuous crystalline structures during firing. Since our sintered ferrite 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 ferrite powder of the same material. This makes sintered ferrite powder well-suited for use in areas where air would already exist.

MECHANICAL SPECIFICATIONS

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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%

Weight: 100 (g)

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