

## PPT BP850 NiZn Ferrite Powder

Category : Ceramic , Oxide

**Material Notes:**

Uses: EMI Suppressors, Wave Absorbing Tiles, Impeders, Multi-Hole Connectors, Inductors, Transformers, Converters, Choke Coils, Antennas  
Electromagnetic characteristics were tested on toroid with a HP4294A.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PPT-BP850-NiZn-Ferrite-Powder.php](http://www.lookpolymers.com/polymer_PPT-BP850-NiZn-Ferrite-Powder.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.50 g/cc	0.0542 lb/in <sup>3</sup>	typical
Particle Size	120 µm	120 µm	median granule size

Thermal Properties	Metric	English	Comments
Shrinkage	14 %	14 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1e+05	1e+05	
Magnetic Coercive Force, Hc	0.40 Oe	0.40 Oe	
Magnetic Remanence, Br	1800 Gauss	1800 Gauss	
Curie Temperature	140 °C	284 °F	

Processing Properties	Metric	English	Comments
Moisture Content	0.30 %	0.30 %	
Sintering Temperature	1250 °C @Time 10800 sec	2280 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
Flux Density Bs	3000 Gauss	Field Strength = 30 Oe
Initial Permeability, µi	850	
Q Factor (w/ 10 turns)	10	0.1 MHz

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