Powder Processing and Technology, LLC
5103 Evans Avenue, Valparaiso, IN 46383 USA
Phone: 219-462-4141 Fax: 219-462-0376
Website: www.pptechnology.com

FULLY SINTERED FERRITE POWDERS

(TYPICAL CHARACTERISTICS)

PROPERTIES	FP95	FP110	FP140	FP150	FP160	FP215	FP350	FP500
Curie Temperature (°C)	95	110	140	150	160	215	350	> 500
Magnetic Saturation (emu/g)	45	53	57	55	60	88	75	80
Resistivity @ 100 V (Ohm-cm)	10^9	10^{10}	10^{11}	10^{11}	10^{11}	10^7	10^9	10^6
Average Particle Sizes Available	Spherical from 50 to 200 micron Irregular from 1 to 300 micron (50 Mesh)							
APPLICATIONS	Extrusion Injection Molding Rubber Bonded Sheet Coating on Film, Cable, Fiber, Fabric Electronic Potting Compounds Microwave Heating Magnetic Fluids					Inductors / Transformers EMI Suppressors Attenuators Filters Sensors Magnetic Pigments Microwave Heating Wares		

- *Fully sintered NiZn ferrite, MnZn ferrite, and MgZn ferrite powders are available.*
- *Spherical or irregular particle shapes are available for the customer's requirements.*
- *Custom-made particle sizes are available for the customer's requirements, ranging from sub-micron to a few hundreds micron APS.*
- *Powder-loading ratio and density with binder will greatly affect on inductance, attenuation and applicable frequencies.*
- *The typical initial permeability of polymer compound with 85 wt.% ferrite ranges from 10 to 30 at 100 MHz.*
- ***No** Lead (Pb) or Cadmium (Cd) was added to any of our products.*

For further information and answers to specific questions, please contact Kim Yim at 1-219-462-4141 ext. 263 or via e-mail at kyim@pptechnology.com