

ELECTROMAGNETIC MATERIALS - TECHNICAL DATA SHEET

Steward offers a broad range of electromagnetic materials in both platelet and spherical shape.

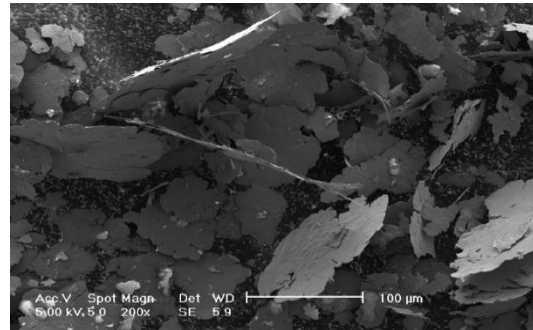
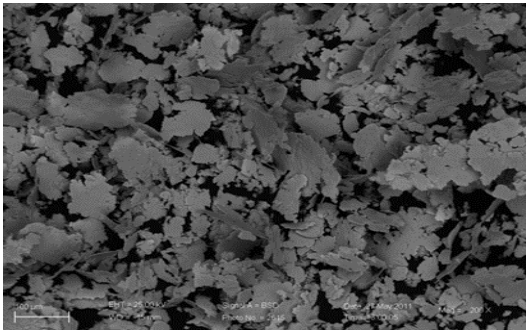
Applications include, but are not limited to:

- Loading into coatings and other elastomers and resin systems for EMI, RF and microwave absorption
- Thin flexible EMI suppression tape for electronic industry

FEATURES

- Broad spectrum of particle size distributions
- Thermally stable
- Full range of compositions and magnetic properties (i.e. CIP, Ni Alloys, Sendust, and Iron Silicides)
- Ability to create lightweight particles with other magnetic alloys

EXAMPLES – PLATELET SHAPED PARTICLES



PHYSICAL PROPERTIES

Characteristic	Unit	Typical Values				
		Sendust			Ni Alloys	
		LP985	LP986	LP987	LP950	LP992
d10	Microns	6	18	27	17	24
d50		16	45	75	40	81
d90		37	85	165	73	211
EMU	EMU/g	117	120	125	81	165
Coercivity	Oe	4.7	2.0	2.1	5.0	10.0
Curie Temperature	°C	470	470	470	475	600
Tap Density	g/cc	2.1	1.0	0.5	1.3	0.7
True Density	g/cc	6.8	6.9	6.9	8.7	7.0