

Article

Microstructure and Magnetic Property Evolution Induced by Heat Treatment in Fe-Si/SiO₂ Soft Magnetic Composites

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Supplement the missing Table S1.

Table S1. C_{hyst} , C_{ec} , C_{exc} and other fitting parameters of the SMCs heat-treated at various temperatures.

Heat treatment temperature (K)	Hysteresis Component		Eddy Current Component	Excess Component			R-square
	C_{hyst}	α	C_{ec}	C_{exc}	x	y	
Without heat treatment	49.87	1.8917	0.191899	0.6531	2.09873	1.41592	0.9998
823	35.14	1.97074	0.182536	0.14136	2.03687	2.08583	0.9971
873	32.15	1.96886	0.180726	0.05776	1.87324	2.07973	0.9989
923	28.12	1.93788	0.169339	0.5312	1.852	1.5748	0.9983
973	33.11	1.99461	0.175854	0.36571	1.85545	1.79298	0.9993
1023	41.93	1.9491	0.244583	1.83732	1.9827	1.46281	0.9995