Typical data for SURA® M1000-100A

T	W/kg at 50 Hz	VA/kg at 50 Hz	A/m at 50 Hz
0,1	0,06	0,11	56,0
0,2	0,21	0,34	80,8
0,3	0,45	0,64	100
0,4	0,75	1,02	119
0,5	1,12	1,48	139
0,6	1,54	2,04	161
0,7	2,07	2,71	183
0,8	2,65	3,49	208
0,9	3,33	4,42	233
1,0	4,05	5,52	257
1,1	4,88	6,84	291
1,2	5,79	8,53	348
1,3	6,71	10,8	444
1,4	7,73	13,6	576
1,5	8,89	18,1	847
1,6	10,15	30,0	1610
1,7	11,26	71,6	3760
1,8	12,42	157	7520

Loss at 1.5 T , 50 Hz, W/kg	8,89
Loss at 1.0 T , 50 Hz, W/kg	4,05
Anisotropy of loss, %	0
Magnetic polarization at 50 Hz	
H = 2500 A/m, T	1,65
H = 5000 A/m, T	1,74
H = 10000 A/m, T	1,84
Coercivity (DC), A/m	85
Relative permeability at 1.5 T	1410
Resistivity, μΩcm	30
Yield strength, N/mm²	290
Tensile strength, N/mm²	390
Young's modulus, RD, N/mm²	190 000
Young's modulus, TD, N/mm²	210 000
Hardness HV5 (VPN)	125

RD represents the rolling direction
TD represents the transverse direction
Values for yield strength (0.2 % proof strength)
and tensile strength are given for the rolling direction
Values for the transverse direction are approximately 5% higher

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Surahammars Bruks AB

June 2008