Typical data for SURA® M600-100A

T	W/kg at 50 Hz	VA/kg at 50 Hz	A/m at 50 Hz
0,1	0,03	0,06	29,0
0,2	0,11	0,19	44,1
0,3	0,24	0,37	57,1
0,4	0,42	0,60	70,2
0,5	0,63	0,90	84,1
0,6	0,86	1,27	99,2
0,7	1,16	1,73	116
0,8	1,52	2,28	134
0,9	1,90	2,95	153
1,0	2,32	3,78	176
1,1	2,76	4,85	212
1,2	3,26	6,32	281
1,3	3,82	8,61	401
1,4	4,41	13,0	646
1,5	5,11	23,5	1250
1,6	5,85	51,6	2740
1,7	6,57	113	5560
1,8	7,24	221	9980

Loss at 1.5 T , 50 Hz, W/kg	5,11
Loss at 1.0 T , 50 Hz, W/kg	2,32
Anisotropy of loss, %	3
Magnetic polarization at 50 Hz	
H = 2500 A/m, T	1,59
H = 5000 A/m, T	1,68
H = 10000 A/m, T	1,80
Coercivity (DC), A/m	40
Relative permeability at 1.5 T	950
Resistivity, μΩcm	52
Yield strength, N/mm²	365
Tensile strength, N/mm²	480
Young's modulus, RD, N/mm²	185 000
Young's modulus, TD, N/mm²	200 000
Hardness HV5 (VPN)	180

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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June 2008