

Typical data for SURA® M600-65A

T	W/kg at 50 Hz	VA/kg at 50 Hz	A/m at 50 Hz
0,1	0,04	0,11	51,8
0,2	0,15	0,28	66,5
0,3	0,30	0,48	76,4
0,4	0,49	0,73	85,2
0,5	0,71	1,01	93,7
0,6	0,95	1,32	102
0,7	1,22	1,67	112
0,8	1,52	2,06	122
0,9	1,86	2,50	132
1,0	2,34	3,02	144
1,1	2,66	3,62	159
1,2	3,14	4,39	182
1,3	3,67	5,41	229
1,4	4,29	7,10	329
1,5	5,01	11,5	619
1,6	5,79	26,7	1532
1,7	6,52	70,6	3784
1,8	7,08	157	7551

Loss at 1.5 T , 50 Hz, W/kg	5,01
Loss at 1.0 T , 50 Hz, W/kg	2,34
Anisotropy of loss, %	5
Magnetic polarization at 50 Hz	
H = 2500 A/m, T	1,64
H = 5000 A/m, T	1,72
H = 10000 A/m, T	1,84
Coercivity (DC), A/m	85
Relative permeability at 1.5 T	1640
Resistivity, $\mu\Omega\text{cm}$	31
Yield strength, N/mm^2	255
Tensile strength, N/mm^2	395
Young's modulus, RD, N/mm^2	210000
Young's modulus, TD, N/mm^2	220000
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

