Typical Values						
T	W/kg at 50 Hz	A/m at 50 Hz	W/kg at 400 Hz	W/kg at 2500 Hz	W/kg at 5000 Hz	W/kg at 10000 Hz
0,10	0,02	35	0,18	2,10	6,0	19
0,20	0,08	44	0,72	8,02	25	71
0,30	0,16	49	1,48	18,4	53	155
0,40	0,26	54	2,50	30,5	88	245
0,50	0,36	59	3,80	44,2	130	360
0,60	0,47	63	5,14	59,2	180	
0,70	0,62	69	6,66	78,1	240	
0,80	0,76	76	8,33	100	300	
0,90	0,91	86	10,2	125	375	
1,00	1,08	99	12,1	155	500	
1,10	1,29	124	14,7	191		
1,20	1,53	160	17,8			
1,30	1,86	248	21,3			
1,40	2,25	470	25,2			
1,50	2,70	1290	29,5			
1,60	3,09	3550				
1,70	3,43	7070				
1,80	3,72	13000				

	Guaranteed Values	Typical Values
Loss at 1.0 T , 50 Hz, W/kg	-	1,08
Loss at 1.0 T , 400 Hz, W/kg	14,0	12,1
Loss at 1.0 T , 2500 Hz, W/kg	-	155
Resistivity, μΩcm		52
Density g/cm³		7,65
Yield strength, N/mm²		400
Tensile strength, N/mm²		505
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

cogent
Surahammars Bruks AB

June 2012

Typical Values						
T	W/kg at 50 Hz	A/m at 50 Hz	A/m at 400 Hz	A/m at 2500 Hz	A/m at 5000 Hz	A/m at 10000 Hz
0,10	0,02	35	34	41	52	69
0,20	0,08	44	45	64	84	116
0,30	0,16	49	52	82	108	150
0,40	0,26	54	58	96	129	179
0,50	0,36	59	63	109	148	234
0,60	0,47	63	68	121	166	
0,70	0,62	69	74	132	186	
0,80	0,76	76	79	145	210	
0,90	0,91	86	86	158	238	
1,00	1,08	99	97	174	269	
1,10	1,29	124	112	192	306	
1,20	1,53	160	141	213		
1,30	1,86	248	201	237		
1,40	2,25	470	375	383		
1,50	2,70	1290	987	1036		
1,60	3,09	3550	2342	2707		
1,70	3,43	7070				
1,80	3,72	13000				

	Typical Values
Loss at 1.0 T , 50 Hz, W/kg	1,08
Loss at 1.0 T , 400 Hz, W/kg	12,1
Loss at 1.0 T , 2500 Hz, W/kg	155
Resistivity, μΩcm	52
Density g/cm³	7.65
Yield strength, N/mm²	400
Tensile strength, N/mm²	505
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

cogent
Surahammars Bruks AB

June 2012