

T	W/kg at 50 Hz	VA/kg at 50 Hz	A/m at 50 Hz	W/kg at 100 Hz	W/kg at 200 Hz	W/kg at 400 Hz	W/kg at 1000 Hz	W/kg at 2500 Hz
0,1	0.02	0.07	33.4	0.05	0.12	0.33	1.43	5.95
0,2	0.08	0.18	43.6	0.20	0.48	1.27	5.40	21.7
0,3	0.17	0.32	50.8	0.41	1.02	2.69	11.0	45.1
0,4	0.28	0.48	57.2	0.67	1.68	4.49	18.3	76.2
0,5	0.40	0.66	63.6	0.97	2.47	6.66	27.2	116
0,6	0.53	0.87	70.4	1.30	3.37	9.19	38.1	167
0,7	0.68	1.11	78.1	1.68	4.39	12.11	51.1	230
0,8	0.84	1.39	87.2	2.10	5.54	15.44	66.4	308
0,9	1.02	1.72	98.7	2.56	6.82	19.22	84.5	403
1,0	1.22	2.12	114	3.07	8.25	23.54	106	517
1,1	1.44	2.63	136	3.64	9.86	28.48	130	654
1,2	1.69	3.35	172	4.29	11.6	34.12	159	803
1,3	2.00	4.56	242	5.07	13.7	40.62	193	
1,4	2.40	7.40	428	6.06	16.3	48.24	233	
1,5	2.94	17.0	1027	7.40	19.6	57.86	279	
1,6	3.67	46.2	2576	8.86	23.2	70.24	335	
1,7	4.32	110	5409					
1,8	4.73	220	9677					

	Guaranteed Values	Typical Values
Loss at 1.5 T , 50 Hz, W/kg	3,30	2,94
Loss at 1.0 T , 50 Hz, W/kg	1,30*	1,22
Anisotropy of loss, %		10
Magnetic polarization at 50 Hz		
H = 2500 A/m, T	1,49	1,56
H = 5000 A/m, T	1,60	1,65
H = 10000 A/m, T	1,70	1,77
Coercivity (DC), A/m		40
Relative permeability at 1.5 T		880
Resistivity, $\mu\Omega\text{cm}$		42
Yield strength, N/mm <sup>2</sup>	320	340
Tensile strength, N/mm <sup>2</sup>		455
Young's modulus, RD, N/mm <sup>2</sup>		200 000
Young's modulus, TD, N/mm <sup>2</sup>		210 000
Hardness HV5 (VPN)		155



\* indicative

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