HI-LITE™
HIGH PERFORMANCE - ULTRA LIGHT

NO10

TYPICAL VALUES

POLARISATION	SPECIFIC TOTAL LOSS				
J_{peak} T	at 50 Hz W/kg	at 400 Hz W/kg	at 2500 Hz W/kg	at 5000 Hz W/kg	at 10000 Hz W/kg
0.1	0.02	0.18	1.52	4.20	11.1
0.2	0.08	0.73	6.28	17.8	46.9
0.3	0.17	1.56	14.0	38.5	107
0.4	0.27	2.59	23.3	63.8	180
0.5	0.39	3.78	36.1	96.3	258
0.6	0.51	5.11	47.9	133	
0.7	0.66	6.60	60.9	174	
0.8	0.82	8.23	76.4	220	
0.9	1.00	10.1	93.9	269	
1.0	1.20	12.1	119	326	
1.1	1.44	14.4	145		
1.2	1.74	17.3			
1.3	2.09	20.6			
1.4	2.52	24.9			
1.5	2.98	29.3			
1.6	3.42				
1.7	3.76				
1.8	4.10				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	1.20
Loss at 1.0 T and 400 Hz, W/kg	13.0	12.1
Loss at 1.0 T and 2500 Hz, W/kg	135	119
Nominal thickness, mm		0.10
Resistivity, μΩcm		52
Density, g/cm^3		7.65
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		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

HI-LITE™
HIGH PERFORMANCE - ULTRA LIGHT

NO10

TYPICAL VALUES

POLARISATION	MAGNETIC FIELD STRENGTH H_{peak}				
J_{peak} T	at 50 Hz A/m	at 400 Hz A/m	at 2500 Hz A/m	at 5000 Hz A/m	at 10000 Hz A/m
0.1	24	35	40	44	53
0.2	31	46	52	66	85
0.3	38	53	66	83	110
0.4	44	58	75	99	129
0.5	50	63	83	110	150
0.6	57	69	93	122	165
0.7	66	75	102	134	
0.8	76	82	109	142	
0.9	90	93	116	152	
1.0	109	109	130	162	
1.1	127	133	149	170	
1.2	166	177	177		
1.3	252	279			
1.4	500	520			
1.5	1320	1320			
1.6	3100				
1.7	5390				
1.8	9450				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	1.20
Loss at 1.0 T and 400 Hz, W/kg	13.0	12.1
Loss at 1.0 T and 2500 Hz, W/kg	135	119
Nominal thickness, mm		0.10
Resistivity, μΩcm		52
Density, g/cm^3		7.65
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		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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HI-LITE™
HIGH PERFORMANCE - ULTRA LIGHT

NO12

TYPICAL VALUES

POLARISATION	SPECIFIC TOTAL LOSS				
J_{peak} T	at 50 Hz W/kg	at 400 Hz W/kg	at 2500 Hz W/kg	at 5000 Hz W/kg	at 10000 Hz W/kg
0.1	0.02	0.16	1.65	5.09	16.2
0.2	0.08	0.70	6.83	21.4	61.6
0.3	0.16	1.45	15.2	45.2	128
0.4	0.26	2.42	25.4	77.3	218
0.5	0.37	3.73	37.7	114	322
0.6	0.48	5.05	52.0	157	
0.7	0.62	6.49	66.1	205	
0.8	0.76	8.09	83.1	258	
0.9	0.92	9.84	103	322	
1.0	1.09	11.8	132	389	
1.1	1.29	14.1	163		
1.2	1.53	16.7			
1.3	1.85	19.9			
1.4	2.24	23.8			
1.5	2.69	28.1			
1.6	3.14				
1.7	3.51				
1.8	3.83				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	1.09
Loss at 1.0 T and 400 Hz, W/kg	13.5	11.8
Loss at 1.0 T and 2500 Hz, W/kg	152	132
Nominal thickness, mm		0.127
Resistivity, μΩcm		52
Density, g/cm^3		7.65
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		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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NO12

TYPICAL VALUES

POLARISATION	MAGNETIC FIELD STRENGTH H_{peak}				
J_{peak} T	at 50 Hz A/m	at 400 Hz A/m	at 2500 Hz A/m	at 5000 Hz A/m	at 10000 Hz A/m
0.1	25	35	40	46	54
0.2	32	46	57	70	92
0.3	39	53	71	89	120
0.4	45	58	82	106	143
0.5	51	63	90	119	163
0.6	57	68	100	132	184
0.7	65	74	109	145	
0.8	75	81	116	157	
0.9	89	92	125	170	
1.0	105	107	137	187	
1.1	124	130	153	204	
1.2	160	173	180		
1.3	248	267			
1.4	470	490			
1.5	1290	1280			
1.6	3050				
1.7	5350				
1.8	9420				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	1.09
Loss at 1.0 T and 400 Hz, W/kg	13.5	11.8
Loss at 1.0 T and 2500 Hz, W/kg	152	132
Nominal thickness, mm		0.127
Resistivity, μΩcm		52
Density, g/cm^3		7.65
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		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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NO15

TYPICAL VALUES

POLARISATION	SPECIFIC TOTAL LOSS				
J_{peak} T	at 50 Hz W/kg	at 400 Hz W/kg	at 2500 Hz W/kg	at 5000 Hz W/kg	at 10000 Hz W/kg
0.1	0.02	0.17	2.00	6.10	19.6
0.2	0.08	0.71	7.89	25.3	71.2
0.3	0.15	1.47	17.9	52.6	149
0.4	0.24	2.46	29.8	88.3	245
0.5	0.35	3.76	43.5	130	
0.6	0.45	5.11	59.0	180	
0.7	0.60	6.60	76.6	236	
0.8	0.73	8.25	97.6	299	
0.9	0.90	10.1	122	372	
1.0	1.08	12.1	155		
1.1	1.28	14.4	192		
1.2	1.51	17.2			
1.3	1.80	20.6			
1.4	2.17	24.4			
1.5	2.59	28.8			
1.6	2.99				
1.7	3.34				
1.8	3.66				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	1.08
Loss at 1.0 T and 400 Hz, W/kg	14.0	12.1
Loss at 1.0 T and 2500 Hz, W/kg	171	155
Nominal thickness, mm		0.15
Resistivity, μΩcm		52
Density, g/cm^3		7.65
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		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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NO15

TYPICAL VALUES

POLARISATION	MAGNETIC FIELD STRENGTH H_{peak}				
J_{peak} T	at 50 Hz A/m	at 400 Hz A/m	at 2500 Hz A/m	at 5000 Hz A/m	at 10000 Hz A/m
0.1	27	35	44	48	62
0.2	34	45	60	75	101
0.3	41	52	77	99	132
0.4	47	58	88	118	159
0.5	52	63	99	133	190
0.6	59	68	110	151	211
0.7	65	74	119	166	
0.8	73	80	130	184	
0.9	85	90	141	206	
1.0	101	103	159	230	
1.1	119	126	178	253	
1.2	157	164	206		
1.3	230	245			
1.4	440	440			
1.5	1210	1195			
1.6	2910	2860			
1.7	5210				
1.8	9490				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	1.08
Loss at 1.0 T and 400 Hz, W/kg	14.0	12.1
Loss at 1.0 T and 2500 Hz, W/kg	171	155
Nominal thickness, mm		0.15
Resistivity, μΩcm		52
Density, g/cm^3		7.65
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		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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NO18

TYPICAL VALUES

POLARISATION	SPECIFIC TOTAL LOSS				
J_{peak} T	at 50 Hz W/kg	at 400 Hz W/kg	at 2500 Hz W/kg	at 5000 Hz W/kg	at 10000 Hz W/kg
0.1	0.02	0.18	2.34	7.00	22.9
0.2	0.07	0.72	8.95	29.0	81.2
0.3	0.14	1.49	20.5	60.1	167
0.4	0.22	2.50	34.1	99.1	277
0.5	0.32	3.79	49.3	146	
0.6	0.41	5.15	66.1	201	
0.7	0.53	6.65	87.1	265	
0.8	0.70	8.29	112	339	
0.9	0.84	10.2	139	425	
1.0	1.00	12.2	173		
1.1	1.20	14.6	219		
1.2	1.45	17.7			
1.3	1.72	21.2			
1.4	2.09	25.0			
1.5	2.49	29.4			
1.6	2.83				
1.7	3.18				
1.8	3.47				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	1.00
Loss at 1.0 T and 400 Hz, W/kg	14.3	12.2
Loss at 1.0 T and 2500 Hz, W/kg	186	173
Nominal thickness, mm		0.178
Resistivity, μΩcm		52
Density, g/cm^3		7.65
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		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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NO18

TYPICAL VALUES

POLARISATION	MAGNETIC FIELD STRENGTH H_{peak}				
J_{peak} T	at 50 Hz A/m	at 400 Hz A/m	at 2500 Hz A/m	at 5000 Hz A/m	at 10000 Hz A/m
0.1	30	36	45	50	69
0.2	37	45	64	81	110
0.3	43	52	81	108	142
0.4	48	58	93	129	175
0.5	53	63	106	148	221
0.6	58	68	117	166	
0.7	63	74	128	186	
0.8	71	79	140	210	
0.9	82	89	155	238	
1.0	95	99	175	269	
1.1	118	123	195		
1.2	154	155	220		
1.3	219	228			
1.4	405	400			
1.5	1090	1100			
1.6	2680				
1.7	5150				
1.8	9500				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	1.00
Loss at 1.0 T and 400 Hz, W/kg	14.3	12.2
Loss at 1.0 T and 2500 Hz, W/kg	186	173
Nominal thickness, mm		0.178
Resistivity, μΩcm		52
Density, g/cm^3		7.65
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		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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NO20

TYPICAL VALUES

POLARISATION	SPECIFIC TOTAL LOSS				
J_{peak} T	at 50 Hz W/kg	at 400 Hz W/kg	at 2500 Hz W/kg	at 5000 Hz W/kg	at 10000 Hz W/kg
0.1	0.02	0.17	2.79	9.01	27.0
0.2	0.07	0.72	10.6	31.8	95.6
0.3	0.14	1.49	24.4	65.6	191
0.4	0.23	2.50	40.4	108	315
0.5	0.32	3.80	58.4	159	
0.6	0.42	5.17	78.4	219	
0.7	0.54	6.70	103	290	
0.8	0.66	8.36	133	375	
0.9	0.80	10.3	166	477	
1.0	0.95	12.3	200		
1.1	1.14	14.8	248		
1.2	1.36	17.9			
1.3	1.65	21.4			
1.4	2.00	25.3			
1.5	2.40	29.7			
1.6	2.75				
1.7	3.06				
1.8	3.32				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	0.95
Loss at 1.0 T and 400 Hz, W/kg	15.0	12.3
Loss at 1.0 T and 2500 Hz, W/kg	215	200
Nominal thickness, mm		0.20
Resistivity, μΩcm		52
Density, g/cm^3		7.65
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		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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HI-LITE™
HIGH PERFORMANCE - ULTRA LIGHT

NO20

TYPICAL VALUES

POLARISATION	MAGNETIC FIELD STRENGTH H_{peak}				
J_{peak} T	at 50 Hz A/m	at 400 Hz A/m	at 2500 Hz A/m	at 5000 Hz A/m	at 10000 Hz A/m
0.1	29	34	42	51	75
0.2	36	42	67	87	128
0.3	42	48	87	116	166
0.4	46	55	103	141	202
0.5	51	60	118	165	
0.6	55	66	133	189	
0.7	61	72	148	217	
0.8	68	80	165	248	
0.9	78	89	183	284	
1.0	91	101	204	324	
1.1	111	121	227		
1.2	145	155			
1.3	214	230			
1.4	411	439			
1.5	1280	1310			
1.6	2970				
1.7	5380				
1.8	9390				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	0.95
Loss at 1.0 T and 400 Hz, W/kg	15.0	12.3
Loss at 1.0 T and 2500 Hz, W/kg	215	200
Nominal thickness, mm		0.20
Resistivity, μΩcm		52
Density, g/cm^3		7.65
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		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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HI-LITE™
HIGH PERFORMANCE - ULTRA LIGHT

NO20-1200

TYPICAL VALUES

POLARISATION	SPECIFIC TOTAL LOSS				
J_{peak} T	at 50 Hz W/kg	at 400 Hz W/kg	at 2500 Hz W/kg	at 5000 Hz W/kg	at 10000 Hz W/kg
0.1	0.01	0.16	2.45	7.72	23.3
0.2	0.05	0.67	9.31	28.0	84.8
0.3	0.12	1.39	21.4	58.0	172
0.4	0.19	2.34	35.5	96.8	286
0.5	0.27	3.55	51.3	144	
0.6	0.37	4.83	68.8	201	
0.7	0.46	6.26	90.4	270	
0.8	0.58	7.81	117	352	
0.9	0.71	9.62	146	445	
1.0	0.85	11.4	180	560	
1.1	1.03	13.9	222		
1.2	1.23	17.0	264		
1.3	1.50	20.5			
1.4	1.84	24.5			
1.5	2.16	29.0			
1.6	2.50				
1.7	2.76				
1.8	2.97				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	0.85
Loss at 1.0 T and 400 Hz, W/kg	12.0	11.4
Loss at 1.0 T and 2500 Hz, W/kg	195	180
Nominal thickness, mm		0.20
Resistivity, μΩcm		59
Density, g/cm^3		7.60
Yield strength, N/mm^2		440
Tensile strength, N/mm^2		530
Young's modulus, RD, N/mm^2		175 000
Young's modulus, TD, N/mm^2		190 000
Hardness HV5		210

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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NO20-1200

TYPICAL VALUES

POLARISATION	MAGNETIC FIELD STRENGTH H_{peak}				
J_{peak} T	at 50 Hz A/m	at 400 Hz A/m	at 2500 Hz A/m	at 5000 Hz A/m	at 10000 Hz A/m
0.1	24	30	36	48	66
0.2	30	38	59	81	113
0.3	37	46	76	106	148
0.4	42	54	92	128	182
0.5	48	60	105	149	
0.6	52	67	119	172	
0.7	58	74	134	199	
0.8	67	81	151	229	
0.9	78	91	170	264	
1.0	95	104	193	304	
1.1	122	126	215		
1.2	172	180	248		
1.3	292	297			
1.4	694	702			
1.5	2050	1970			
1.6	4350				
1.7	7480				
1.8	12100				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	0.85
Loss at 1.0 T and 400 Hz, W/kg	12.0	11.4
Loss at 1.0 T and 2500 Hz, W/kg	195	180
Nominal thickness, mm		0.20
Resistivity, μΩcm		59
Density, g/cm^3		7.60
Yield strength, N/mm^2		440
Tensile strength, N/mm^2		530
Young's modulus, RD, N/mm^2		175 000
Young's modulus, TD, N/mm^2		190 000
Hardness HV5		210

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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HI-LITE™
HIGH PERFORMANCE - ULTRA LIGHT

NO27

TYPICAL VALUES

POLARISATION	SPECIFIC TOTAL LOSS				
J_{peak} T	at 50 Hz W/kg	at 400 Hz W/kg	at 2500 Hz W/kg	at 5000 Hz W/kg	at 10000 Hz W/kg
0.1	0.01	0.22	3.17	9.78	26.2
0.2	0.05	0.84	11.9	34.4	96.6
0.3	0.11	1.75	25.2	70.4	209
0.4	0.18	2.87	42.6	119	
0.5	0.25	4.15	64.0	176	
0.6	0.34	5.66	89.8	254	
0.7	0.43	7.35	121	350	
0.8	0.54	9.25	157	435	
0.9	0.66	11.4	200		
1.0	0.79	13.7	255		
1.1	0.94	16.2	309		
1.2	1.11	19.2			
1.3	1.33	22.9			
1.4	1.60	27.5			
1.5	1.88	32.6			
1.6	2.14				
1.7	2.35				
1.8	2.54				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	0.79
Loss at 1.0 T and 400 Hz, W/kg	15.0	13.7
Loss at 1.0 T and 2500 Hz, W/kg	300	255
Nominal thickness, mm		0.27
Resistivity, μΩcm		59
Density, g/cm^3		7.60
Yield strength, N/mm^2		440
Tensile strength, N/mm^2		530
Young's modulus, RD, N/mm^2		175 000
Young's modulus, TD, N/mm^2		190 000
Hardness HV5		210

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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HIGH PERFORMANCE - ULTRA LIGHT

NO27

TYPICAL VALUES

POLARISATION	MAGNETIC FIELD STRENGTH H_{peak}				
J_{peak} T	at 50 Hz A/m	at 400 Hz A/m	at 2500 Hz A/m	at 5000 Hz A/m	at 10000 Hz A/m
0.1	25	32	41	55	82
0.2	33	41	68	93	137
0.3	38	51	88	125	182
0.4	43	57	109	156	
0.5	48	64	129	191	
0.6	55	70	151	233	
0.7	62	77	176	270	
0.8	71	83	204		
0.9	83	93	236		
1.0	99	107	280		
1.1	124	128	325		
1.2	171	175			
1.3	283	294			
1.4	688	715			
1.5	1990	1930			
1.6	4290				
1.7	7650				
1.8	12300				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	0.79
Loss at 1.0 T and 400 Hz, W/kg	15.0	13.7
Loss at 1.0 T and 2500 Hz, W/kg	300	255
Nominal thickness, mm		0.27
Resistivity, μΩcm		59
Density, g/cm^3		7.60
Yield strength, N/mm^2		440
Tensile strength, N/mm^2		530
Young's modulus, RD, N/mm^2		175 000
Young's modulus, TD, N/mm^2		190 000
Hardness HV5		210

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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TYPICAL VALUES

POLARISATION	SPECIFIC TOTAL LOSS				
J_{peak} T	at 50 Hz W/kg	at 400 Hz W/kg	at 2500 Hz W/kg	at 5000 Hz W/kg	at 10000 Hz W/kg
0.1	0.02	0.30	4.13	12.1	38.0
0.2	0.06	0.99	14.4	42.3	125
0.3	0.12	1.82	29.4	86.9	
0.4	0.19	3.08	48.9	146	
0.5	0.28	4.59	73.6	223	
0.6	0.37	6.34	104	319	
0.7	0.49	8.33	141		
0.8	0.60	10.6	185		
0.9	0.74	13.1	238		
1.0	0.89	15.9	302		
1.1	1.05	19.0	377		
1.2	1.27	22.6	466		
1.3	1.52	26.8	572		
1.4	1.82	32.0			
1.5	2.14	38.1			
1.6	2.51				
1.7	2.80				
1.8	3.05				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	0.89
Loss at 1.0 T and 400 Hz, W/kg	17.0	15.9
Loss at 1.0 T and 2500 Hz, W/kg	355	302
Nominal thickness, mm		0.30
Resistivity, μΩcm		55
Density, g/cm^3		7.60
Yield strength, N/mm^2		370
Tensile strength, N/mm^2		450
Young's modulus, RD, N/mm^2		185 000
Young's modulus, TD, N/mm^2		200 000
Hardness HV5		180

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TYPICAL VALUES

POLARISATION	MAGNETIC FIELD STRENGTH H_{peak}				
J_{peak} T	at 50 Hz A/m	at 400 Hz A/m	at 2500 Hz A/m	at 5000 Hz A/m	at 10000 Hz A/m
0.1	29	38	53	70	103
0.2	37	49	84	116	166
0.3	42	58	110	154	
0.4	46	68	134	194	
0.5	51	75	160	240	
0.6	55	83	189	292	
0.7	60	91	222		
0.8	69	101	258		
0.9	80	111	294		
1.0	93	125	344		
1.1	118	149			
1.2	158	197			
1.3	252	317			
1.4	670	770			
1.5	1990	2050			
1.6	4190				
1.7	7680				
1.8	12100				

	GUARANTEED VALUES	TYPICAL VALUES
Loss at 1.0 T and 50 Hz, W/kg	-	0.89
Loss at 1.0 T and 400 Hz, W/kg	17.0	15.9
Loss at 1.0 T and 2500 Hz, W/kg	355	302
Nominal thickness, mm		0.30
Resistivity, μΩcm		55
Density, g/cm^3		7.60
Yield strength, N/mm^2		370
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RD represents the rolling direction
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Values for yield strength (0.2 % proof strength)
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