M-5

CRGO performance data

Query summary

Grade	M-5
Mill and thickness	Nippon Steel · 0.35 mm
Published frequency	50 Hz / 60 Hz
Published flux density range	1.5-1.7 T
Distinct flux density levels	2
Properties	Specific core loss · Magnetic induction

50 Hz performance

Table 01 · Rolling-direction stress-relief annealed

B (T)	Specific core loss Guaranteed maximum · W/kg	Specific core loss Typical · W/kg
1.5	1.01	0.96
1.7	-	1.35

60 Hz performance

Table 02 · Rolling-direction stress-relief annealed

B (T)	Specific core loss Typical · W/kg
1.5	1.26
1.7	1.76

Other properties

Frequency not separately reported
Table 03 · Rolling-direction stress-relief annealed

Field strength (A/m)	Magnetic induction Guaranteed minimum · T	Magnetic induction Typical · T
800	1.80	1.88
2500	-	1.94

A dash indicates a value that was not published.

Manufacturer sources and test conditions

Use table and row references to find the original test conditions.

Nippon Steel

Electrical Steel Sheets

Revision D003jec_04_202407f Official document

PDF page 7 · Table 01,03

ORIENTCORE AISI, Grade and Specification · See source conditions

Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

PDF page 8 · Table 01,02,03

ORIENTCORE AISI, Typical · See source conditions

Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

Independent compilation

Compiled by Chenfan Electric from published mill data.
Mill specifications and written order terms govern acceptance. Typical and reference values are for assessment.
Strip data are for engineering reference. Finished-core loss requires separate validation.
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