THE SPECIFICATION

OF

COLD ROLLED NON-ORIENTED ELECTRICAL STEEL

PRODUCED BY

WISCO, CHINA

FOR

WORLD MARKET

PRESENTED BY

M & M RESOURCES INTERNATIONAL INC.

4639 ERWIN ROAD, BURLINGTON, ON. L7M 0L6, CANADA
Tel: 905-906-3285 Fax: 905-627-2473
www.mmrii.com
Email: mmresources@gmail.com

Nominal Thickness mm	Grade	Theoretical Density Kg/dm^3	Max. total loss P1.5/50 w/kg	Min. Magnetic induction B5000 T	Min. Lamination Factor %
0.35	35w230	7.6	2.27	1.61	95
	35w250		2.47	1.61	
	35w270	7.65	2.67	1.61	
	35w300		2.97	1.61	
	35w330		3.25	1.61	
	35w360		3.55	1.62	
	35w400		3.95	1.63	
	35w440	7.7	4.35	1.65	
0.50	50w230	7.60	2.27	1.61	97
	50w250		2.47	1.61	
	50w270		2.67	1.61	
	50w290		2.87	1.61	
	50w310	7.65	3.05	1.61	
	50w330		3.25	1.61	
	50w350		3.45	1.61	
	50w400		3.95	1.62	
	50w470	7.70	4.65	1.64	
	50w540		5.35	1.66	
	50w600	7.75	5.95	1.66	
	50w700	7.80	6.95	1.69	
	50w800		7.95	1.69	
	50w1000	7.85	9.95	1.70	
	50w1300		12.95	1.7	
0.65	65w600	7.75	5.95	1.65	97
	65w700		6.95	1.65	
	65w800	7.80	7.95	1.69	
	65w1000		9.95	1.69	
	65w1300	7.85	12.95	1.70	
	65w1600		15.95	1.70	

Size and permissible Dimension Deviation

Nominal Thickness mm	Thickness Tolerance mm	Thickness Tolerance in crosswise direction mm	Width Tolerance mm	Length Tolerance mm	Coil Internal diameter mm	Coil Weight Mt
0.35	±0.03	0.02	+1.5	+10	510±5	≤5.0
0.50	±0.03	0.03				
0.65	±0.03	0.04				

Mechanical Properties

Grade	Tensile Strength δb, Mpa<	Elongation %	Grade	Tensile Strength δb, Mpa<	Elongation %
35w230	450	≥ 10	50w400	400	≥ 14
35w250	440		50w470	380	≥ 16
35w270	430	≥ 11	50w540	360	
35w300	420		50w600	340	≥ 21
35w330	410	≥ 14	50w700	320	≥ 22
35w360	400		50w800	300	
35w400	390	≥ 15	50w1000	290	
35w440	380		65w600	340	
50w230	450	≥ 10	65w700	320	
50w250	450		65w800	300	
50w270	450		65w1000	290	
50w290	440		65w1300	290	
50w310	430	≥ 11	65w1600	290	
50w330	425				
50w350	420				

Surface Quality

1. The surface of full-processed strip/sheet is insulated coated. The insulation film is dry, uniform and does not fall off. Inter-lamination resistance test should be carried out and the resistance value should be >3 $\Omega.cm^2$/sheet.
2. The strip/sheet surface is smooth, with no defects such as erosion, scratch, cavity, skin, fold, air bubble and roll mark which hamper the use. If small amount of exist in the strip which can not be cut off, delivery could be made with such defects, but marks should be made.
3. The burs should be less than 0.05mm.
4. The non-flatness of the strip/sheet should not be ≥ 2.0% and the sickle shape should be less than 1.0mm in every two meters.

High Magnetic Induction, Low Iron-Loss No-Oriented Silicon Steel Products

Nominal Thickness mm	Grade	Theoretical Density Kg/dm^3	Max. Total Loss	Min. Magnetic Induction	Min. Lamination Factor %
		P1.5/50	B5000		
0.50	DGX1	7.75	4.70	1.70	97
	DGX2		4.00	1.69	
	BDG	7.80	6.00	1.70	
	BBD	7.75	5.30	1.64	

Mechanical Properties

Grade	Tension Strength (Mpa)	Elongation %
DGX!	> 300	> 20
DGX2	> 365	> 20
BDG	> 335	
BBD	> 335	