



**JINDAL
ALUMINIUM
LIMITED**

COLD ROLLED SHEET & COILS

Manufactured through the internationally accepted continuous caster route, rolled in a state-of-the-art cold rolling mill with contemporary German AGC/AFC and finished on hi-tech slitting lines or latest cut-to-length machines, our sheets and coils uncompromisingly have:

- ◆ Precise dimensional tolerances
- ◆ Good mechanical properties
- ◆ Good fabrication characteristics
- ◆ Uniform and bright surface finish
- ◆ Excellent malleability



PARAMETER	PRODUCT	RANGE [mm]	TOLERANCE [mm]	
Thickness [mm]	Sheet	0.25 to 5.0	0.25-0.6	± 0.020
			0.61-1.0	± 0.030
Width [mm]	Coil	0.25 to 3.0	1.01-1.5	± 0.050
			1.51-2.0	± 0.075
	Sheet & Coil*	500 - 915 915 - 1525	2.01-3.0	± 0.10/-0.13
			3.01-4.0	± 0.13/-0.15
Length [mm]	Sheet	1000 - 2440 2440 - 3600 3600 and above	± 1.0	
			± 2.0	
			± 3.0	
Coil-ID & OD size mm	Coil	OD - 1800 Max ID - 152, 300, 406, 508	± 5.0	
Unit Weight [Kg] [Bundle / Pallet]	Sheet	250 - 3000 Kg		
	Coil	250 - 4000 Kg		

*Narrow width coils are also available under the "multi-slit" product category.

MECHANICAL PROPERTIES

ALLOY	TEMPER	TENSILE STRENGTH [MPa]		ELONGATION % MINIMUM (50 MM GAUGE LENGTH)		
		MIN	MAX	0.50-0.80 mm	0.80 - 1.30 mm	>1.30mm
1050	0	55	95	22	25	29
1050	H12	75	110	4	5	6
1050	H14	105	145	4	5	6
1050	H16	120	160	3	4	5
1050	H18	140	---	3	3	4
1100/1200	0	75	105	17	22	30
1100/1200	H12	95	130	3	5	8
1100/1200	H14	110	145	2	4	5
1100/1200	H16	130	165	2	3	4
1100/1200	H18	150	---	2	2	3
3003/3103	0	95	130	20	23	25
3003/3103	H12	120	160	3	4	6
3003/3103	H14	140	180	3	3	5
3003/3103	H16	165	205	2	3	4
3003/3103	H18	185	---	2	2	3

ALLOY	TEMPER	TENSILE STRENGTH [MPa]		ELONGATION % MINIMUM (50 MM GAUGE LENGTH)		
		MIN	MAX	0.50-0.80 mm	0.80 - 1.30 mm	>1.30mm
3105	0	95	145	16	19	20
3105	H12	130	180	2	3	3
3105	H14	150	200	2	2	3
3105	H16	170	220	2	2	2
3105	H18	190	---	1	2	2
5005	0	105	145	16	19	21
5005	H12	125	165	2	4	6
5005	H14	145	185	1	3	3
5005	H16	165	205	1	2	2
5005	H18	185	---	1	1	2
8011	0	85	120	20	23	25
8011	H12	105	140	5	6	7
8011	H14	125	160	3	4	5
8011	H16	150	180	2	3	4
8011	H18	175	---	2	2	3

CHEMICAL COMPOSITION OF ALLOYS

CHEMICAL COMPOSITION LIMITS [%]								
	1050	1100	1200	3003	3103	3105	5005	8011
% Si	0.25	0.90 [Si+Fe]	1.00 [Si+Fe]	0.60	0.50	0.60	0.30	0.60-0.95
% Fe	0.40			0.70	0.70	0.70	0.70	0.60-0.95
% Cu	0.05	0.05 - 0.20	0.05	0.05-0.20	0.10	0.30	0.20	0.20
% Mn	0.05	0.05	0.05	1.00-1.50	0.80-1.50	0.30-0.80	0.20	0.10
% Mg	0.05	--	--	--	0.10	0.20-0.80	0.50-1.10	0.10
% Cr	--	--	--	--	0.10	0.20	0.10	--
% Zr	0.05	0.10	0.10	0.10	0.20	0.40	0.25	0.20
% Ti	0.05	--	0.05	--	--	0.10	--	0.20
[Others]	0.03	0.05	0.03	0.05	0.05	0.05	0.05	0.05
Total [Others]	0.05	0.015	0.15	0.15	0.15	0.15	0.15	0.15
%Al	99.50[Min]	99.00[Min]	99.00[Min]	Remainder	Remainder	Remainder	Remainder	98.00[Min]

Single number indicates maximum content.

APPLICABLE STANDARDS

ASTM-B-209M, EN-573 and The Aluminium Association

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