

Product Specifications

	Sheet	Coil
Thickness (mm)	0.15 - 3.25	0.10 - 2.0
Width (mm)	914 / 1000 / 1220	50 - 1220
Length (mm)	1000 - 3658	-
Coil ID (mm)	-	200 / 300 / 508
Coil Weight (kg)	-	275 - 2200
Coil Density	-	Max. 3kg/mm ³

Note : Any special width is subject to enquiry

Alloy Range & Chemical Composition (%)

Alloy AA Designation	Si	Fe	Cu	Mn	Mg	Zn	V	Ti	Cr	Others		Al (min)
										Each	Total	
1050	0.30	0.40	0.05	0.05	0.05	0.10	0.05	0.03	-	0.03	-	99.5
1100	(Fe+Si) 0.95	-	0.05 0.20	- 0.05	- -	- 0.10	- -	- -	- -	- 0.05	- 0.15	99.0
1200	(Fe+Si) 1.00	-	- 0.05	- 0.05	- -	- 0.10	- -	- 0.05	- -	- 0.05	- 0.15	99.0
3003	- 0.60	- 0.70	0.05 0.20	1.00 1.50	- -	- 0.10	- -	- -	- -	- 0.05	- 0.15	Rem.
3105	- 0.60	- 0.70	- 0.30	0.30 0.80	0.20 0.80	- 0.40	- -	- 0.10	- 0.20	- 0.05	- 0.15	Rem.
8011	0.60 0.95	0.60 0.95	- 0.20	- 0.10	- 0.10	- 0.20	- -	- 0.20	- 0.05	- 0.05	- 0.15	Rem.

Note : Other alloys / variations subject to enquiry.

Typical Mechanical Properties

AA Designation	Equivalent Standards	Temper	Tensile Strength		Elongation on 50mm Gauge Length (Percent)	180° Bend Test t=thickness
			Kg / mm ²			
			Min	Max		
1050	IS : 19500 DIN : AL 99.5 ALCAN : 1S	O	5.6	9.7	15 - 30	Close
		H12	7.7	11.2	2 - 12	1 / 2t
		H14	8.7	13.8	1 - 10	1 / 2t
		H16	9.7	13.3	1 - 5	1t
		H18	10.9	-	1 - 4	1t
1100	IS : 19000 DIN : AL 99 Cu ALCAN : 2S	O	7.1	11.2	15 - 30	Close
		H12	9.2	13.3	1 - 8	Close
		H14	10.7	14.8	1 - 5	1 / 2t
		H16	12.8	16.8	1 - 4	1 / 2t
		H18	14.3	-	1 - 4	1t
1200	IS :- DIN : AL 99 ALCAN : 2S	O	7.6	11.0	15 - 30	Close
		H12	9.6	13.0	2 - 9	1 / 2t
		H14	12.0	15.0	1 - 6	1t
		H16	14.0	17.0	1 - 4	2t
		H18	16.0	-	1 - 4	-
8011	IS : 40800 DIN :- ALCAN : 98S	O	8.7	12.2	13 - 30	Close
		H12	10.7	14.3	5 - 8	Close
		H14	12.8	16.3	3 - 5	1 / 2t
		H16	15.3	18.4	2 - 4	1t
		H18	17.9	-	2 - 3	3t
3105	IS :- DIN : AlMn0.5 Mg. 0.5 ALCAN : E4S	O	9.5	14.5	18	Close
		H12	13.0	18.0	2	1t
		H14	15.0	20.0	1	2t
		H16	17.5	22.0	1	2t
		H18	19.5	-	1	3t
3003	IS : 31000 DIN : AlMnCu ALCAN : D3S	O	9.2	13.3	14 - 25	Close
		H12	11.7	16.3	3 - 9	Close
		H14	13.3	18.4	1 - 5	1 / 2t
		H16	15.3	20.9	1 - 4	1t
		H18	17.3	-	1 - 4	3t

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