



JINDAL ALUMINIUM LTD (ROLLING MILL DIVISION).

KIADB IND.AREA, Tumkur Road, Dabaspete, Bangalore-562111

Product Name:	ALUMINIUM SHEET		
Specification:	0.3 to 6 mm thickness		
Alloy & Temper	AA-1100	Temper	0, H12 OR H22, H14 OR H24, H16 OR H26, H18 OR H28

CERTIFICATE OF ANALYSIS

PHYSICAL & MECHANICAL PROPERTIES				
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION
1	Alloy & Temper	-----	-----	AA-1100 0
2	U.T.S	MPa	75 - 110 Mpa	Complies
3	Yield Strength	MPa	NA	NA
4	Elongation	%	Minimum- 14 - 20 % (As per thickness)	Complies

PHYSICAL & MECHANICAL PROPERTIES				
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION
1	Alloy & Temper	-----	-----	AA-1100 H12 OR H22
2	U.T.S	MPa	95 - 130 Mpa	Complies
3	Yield Strength	MPa	NA	NA
4	Elongation	%	Minimum- 5 to 7% (As per thickness)	Complies

PHYSICAL & MECHANICAL PROPERTIES				
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION
1	Alloy & Temper	-----	-----	AA-1100 H14 OR H24
2	U.T.S	MPa	110 - 145 Mpa	Complies
3	Yield Strength	MPa	NA	NA
4	Elongation	%	Minimum- 3%	Complies

PHYSICAL & MECHANICAL PROPERTIES				
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION
1	Alloy & Temper	-----	-----	AA-1100 H16 OR H26
2	U.T.S	MPa	130 - 165 Mpa	Complies
3	Yield Strength	MPa	NA	NA
4	Elongation	%	Minimum- 2 to 4%(As per thickness)	Complies

PHYSICAL & MECHANICAL PROPERTIES				
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION
1	Alloy & Temper	-----	-----	AA-1100 H18 OR H28
2	U.T.S	MPa	150 Mpa (Min)	Complies
3	Yield Strength	MPa	NA	NA
4	Elongation	%	Minimum- 2 to 3%(As per thickness)	Complies

DIMENSIONAL TOLERANCES				
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION
1	Thickness	mm	0.3 to 0.91 mm - (+/- 0.02 mm), 0.92 to 1.4 mm-(+/-0.03 mm) , 1.41 to 2 mm (+/- 0.04 mm) , 2 to 3 mm (+/-0.050 mm) , 3.01 to 4 mm (+/- 0.075 mm) , 4.01 to 6 mm (+/- 0.1 mm)	
2	Width	mm	For 12.5 to 152.4 mm (+/-0.25 mm), For 152.4 to 304.8 mm(+/-0.4 mm) , For 304.8 to 609.6 (+/-0.8mm), For 609.6 to 1219.2 mm - (+/-1 mm) , For 1219.2 to 1524 mm (-1 /+ 2 mm)	
3	Length	mm	≤ 1220 mm - (+/-2 mm) , 1220 to 2440 mm - (+ / - 3 mm), 2440 to 3660- (-3 / + 5 mm) , ≥ 3660 mm (-4 / + 7 mm)	

ALLOY COMPOSITION:					
AA	Si	Fe	Cu	Mn	Mg
1100	Fe+Si- 0.95		0.05 to 0.2	0.05 (Max)	0.05 (Max)

Cr	Zn	Ti	Others	Al
---	0.1 (Max)	---	-	99 (Min)

REMARKS: THE CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES MEETS AS PER -IS737-2008

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