



JINDAL ALUMINIUM LTD (ROLLING MILL DIVISION).

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

Product Name:	ALUMINIUM COIL		
Specification:	0.15 to 3 mm thickness		
Alloy & Temper	AA-1050	Temper	0, H14, H18

CERTIFICATE OF ANALYSIS

PHYSICAL & MECHANICAL PROPERTIES					
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION	
1	Alloy & Temper	-----	-----	AA-1050 O	
2	U.T.S	MPa	55 - 95 Mpa	Complies	
3	Yield Strength	MPa	NA	NA	
4	Elongation	%	Minimum- 22 - 30 % (As per thickness)	Complies	
PHYSICAL & MECHANICAL PROPERTIES					
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION	
1	Alloy & Temper	-----	-----	AA-1050 H14	
2	U.T.S	MPa	100 - 135 Mpa	Complies	
3	Yield Strength	MPa	NA	NA	
4	Elongation	%	Minimum- 4%	Complies	
PHYSICAL & MECHANICAL PROPERTIES					
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION	
1	Alloy & Temper	-----	-----	AA-1050 H18	
2	U.T.S	MPa	125Mpa (Min)	Complies	
3	Yield Strength	MPa	NA	NA	
4	Elongation	%	Minimum- 3%	Complies	
DIMENSIONAL TOLERANCES					
1	Thickness	mm	0.15 to 0.3 mm- (+/- 0.01 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)		
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 mm (+/-0.8mm), For 609.6 to 1219.2 mm - (+/-1 mm) , For 1219.2 to 1524 mm (-1 / + 2 mm)		
ALLOY COMPOSITION:					
AA	Si	Fe	Cu	Mn	Mg
1050	0.3 (Max)	0.4 (Max)	0.05 (Max)	0.05 (Max)	----
Cr	Zn	Ti	Others	Al	
---	0.05 (Max)	---	-	99.5 (Min)	

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

PRATIK
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