



**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-8011/40800	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-8011/40800   0
2	U.T.S	MPa	85 - 120 Mpa	Complies
3	Yield Strength	MPa	NA	NA
4	Elongation	%	Minimum- 20 - 30 % (As per thickness)	Complies
PHYSICAL & MECHANICAL PROPERTIES				
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION
1	Alloy & Temper	-----	-----	AA-8011/40800   H12 OR H22
2	U.T.S	MPa	105 - 140 Mpa	Complies
3	Yield Strength	MPa	NA	NA
4	Elongation	%	Minimum- 5 - 8% (As per thickness)	Complies
PHYSICAL & MECHANICAL PROPERTIES				
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION
1	Alloy & Temper	-----	-----	AA-8011/40800   H14 OR H24
2	U.T.S	MPa	125 - 160 Mpa	Complies
3	Yield Strength	MPa	NA	NA
4	Elongation	%	Minimum- 3 - 5 % (As per thickness)	Complies
PHYSICAL & MECHANICAL PROPERTIES				
SL.NO	DESCRIPTION	UNIT	LIMITS	OBSERVATION
1	Alloy & Temper	-----	-----	AA-8011/40800   H16 OR H26
2	U.T.S	MPa	150 - 180 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-8011/40800   H18 OR H28
2	U.T.S	MPa	175 Mpa (Min)	Complies
3	Yield Strength	MPa	NA	NA
4	Elongation	%	Minimum- 2 to 3%(As per thickness)	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 (+/-0.8 mm), 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
AA-8011/40800	0.6 - 0.95	0.6 - 0.95	0.2 (Max)	0.1 (Max)	0.1 (Max)

Cr	Zn	Ti	Others	Al
---	0.2 (Max)	0.2 (Max)	-	98 (Min)

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

PRATIK  
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