

JINDAL ALUMINIUM LIMITED (ROLLING MILL DIVISION)			
TITLE : QUALITY ASSURANCE PROCEDURE			
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**Title : Specification for 0.030 mm Soft plain Alu.foil**


TEST PARAMETERS	UNIT	NOMINAL VALUE	STANDARDS
Alloy			AA-8011
Foil Temper	----	----	Soft (o)
Purity of Aluminium	%	----	98% min
Width	mm	----	Standard (± 1.0mm)
Al.Foil Thickness	mm	0.03	0.0276 - 0.0324
Al.Foil GSM	Gms/sq.mtr.	81.3	74.80 - 87.80
Pin holes	Nos./sq. mtr.	----	Nil
Winding Uniformity	----	----	± 0.5 mm Edge Wandering (max)
Printing Surface	----	----	Bright / Matt
Surface Tension	Dynes/cm	----	72
Type of Core			Aluminium
Core ID	mm		76,152
OD	mm		MIN - 250 MAX-800
Foil Joints	NOS	-----	80% of rolls should be free from joints, and 20% of rolls having max 2 joints which are joined by ultrasonic welding & well visible marked by Flag.
Surface Qualities	----	-----	Foil surface should be free from defects, cuts, wrinkles, oxidation, crease, line marks & oil marks.

Chemical Composition						
AA	SI	Fe	Cu	Mn	Mg	Zn
8011	0.60 - 0.95	0.60 - 0.95	0.2 Max	0.1 Max	0.1 Max	0.2 Max

Ti	Cr	Others Each	Others Total	Al
0.2 Max	Trace	<0.05	0.15	98.0 (Min)

  
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