



UTSAV SAFETY SYSTEMS PVT. LTD.

QUALITY PARAMETERS FOR INCOMING MATERIAL

Item Description	Aluminium Coil	
Dimension		
Parameters	Specification	How to check
Width	(46, 101, 121, 201) +/-0.1/mm	VC Tolerance: ± 0.5 mm
Thickness	1.0 to 1.03mm (thickness less than 1mm not acceptable as per rule 50)	Micro Meter (1.0 - 1.04 mm)
Longitudnal Waviness/Distortion	To restrict the longitudinal waviness in Al. sheet	Check overall width of Al. Sheet coil, the camber / distortion should not more than ± 1 mm per 2mtr length.
Visual		
Appearance	No Scratch Mark, Damages, and burrs (0.02mm Max.)	
Surface Plating	Top surface chromating 25 - 35 mg/sqm ,bottom surface light blue lacquer 5 to7 microns.(To be self Certified by supplier.)	
Material		
Grade	As per EN AW 1050A H22	Supplier TC
Chemical Composition (Max. Values are considered)	As per EN 573-3, Table-1 (Si-0.25,Fe-0.40,Cu-0.05,Mn-0.05,Mg-0.05,Zn-0.07,Ti-0.05,other-0.03 & Al-99.50)	Supplier TC with each lot from inhouse Certified Nationally accredited lab and a 3rd Party Report once a year which is a mandatory requirement.
Physical Properties	Temper:H22,TS-85-125 Mpa,YS-55 to 75 Mpa, Elongation-5% Min, Bend Radius-0.5t at 180 deg 0t at 90 deg., Hardness :27 HBW	Supplier TC with each lot from inhouse Certified Nationally accredited lab and a 3rd Party Report once a year which is a mandatory requirement.
Remarks	Accepted/Accepted under Deviation/Rejected	

Approved By

SCM Head (CKS)

Quality Head (ONU)

Engineering Head (CRNS)

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