



ISPAAT INDUSTRIES LTD., KALMESHWAR

Quality Assurance Department

Technical Delivery Conditions (TDC)

SS GRADE 33 - GALVANIZED STEEL COILS / SHEETS

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Application

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Equivalent ref. Grade

Specified Grade

ASTM:A:653

Chemistry,wt%	Range	C	Si	S	P	Mn	Ni	Cr	Cu	Mo	Nb	V	Ti	Al	N ppm
	Min.	-	-	-	-	-	-	-	-	-	-	-	-	0.020	-
	Max.	0.045	0.025	0.025	0.025	0.200	-	-	-	-	-	-	-	0.080	-

Mechanical Properties	Range	YS	UTS	% Elongation		Bend Test	ECV	r-bar	n-val	HRB
		Mpa	Mpa	50 GL	80 GL	180°	mm			
	Min.	230	310	-	20	-				-
	Max.	-	-	-	-	-				-

Surface Finish: Regular Spangle / Skinpass - Suppressed spangles.

Process Capability:

	Range	Thickness, mm	Width, mm	Length, mm	Zinc Coating, GSM
	Min	0.30	900	As per	120
	Max	3.00	1250	Requirement	300

Note:

1
2

Coil Weight: 10 MT max.

Coil Internal Diameter: 508 mm / 20"

Packet Weight: 2.00 - 3.00 MT

Process Route:

HR Coil --Pickling-->Rolling Mill --> Galvanizing --> Finishing --> Packing --> Despatch

Certification:

The Mill Test Certificate (MTC) gives the results of all the tests required by the standards for each grade (Chemistry, Mechanical).

Tolerances: Please refer annexure : GP SPECIFICATION

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