



ISPAT INDUSTRIES LTD., KALMESHWAR

Quality Assurance Department

Technical Delivery Conditions (TDC)

MEDIUM CARBON STEEL (C 30)

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Application	1	Raw material for strapping steel.
	2	
	3	

Equivalent ref. Grade	Specified Grade

Chemistry,wt%	Range	C	Si	S	P	Mn	Ni	Cr	Cu	Mo	Nb	V	Ti	Al	N ppm
C 30	Min.	0.280	0.200	-	-	1.200	-	-	-	-	-	-	-	0.005	-
	Max.	0.330	0.250	0.020	0.020	1.300	-	-	-	0.020	-	-	-	0.015	-

Mechanical Properties	Range	YS	UTS	% Elongation		Bend Test	ECV	r-bar	n-val	HRB
		Mpa	Mpa	50 GL	80 GL	180°	mm			
C 30	Min.	-	-	-	-	-	-	-	-	75
	Max.	-	-	-	-	-	-	-	-	100

Surface Finish: Matte / Bright

Process Capability:

IIL Grade	Range	Thickness, mm	Width, mm	Length, mm
	Min	0.60	-	As per
	Max	1.20	1250	Requirement

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--&gt;Rolling Mill --&gt; BAF --&gt;Rolling Mill --&gt; ECL --&gt; BAF --&gt; Skinpass --&gt; Finishing --&gt; Packing --&gt; 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 : CR SPECIFICATION

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