

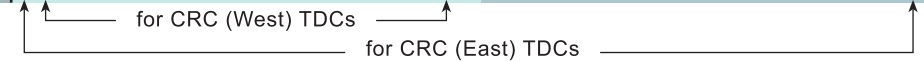
Technical specifications of TATA Steelium																				
Application segment	Automotive								Panel				Furniture		General Engineering					
TDC No.	AU03		AU09		XA31*4		XA37*4		PN02		PN03		PN04		TR08*1		TR15		XT07*4	
Grade	DQ		EDD		DQ		DQ		DQ		DQ		DQ		CQ		CQ		CQ	
Dimensional	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Thickness Range (mm)	0.4	3.2	0.4	3.2	0.4	1.5	1.5	2.5	0.8	3.2	0.8	2.5	0.8	1.6	0.35	1.2	0.4	3.2	0.4	2.5
Width Range	1000	1540	1000	1525	1000	1270	1000	1270	1000	1540	1000	1525	1000	1525	900	1250	1000	1540	1000	1270
Thickness Tolerance +/- (mm)	0.5% on Central Line Thickness		0.5% on Central Line Thickness		0.5% on Central Line Thickness		0.5% on Central Line Thickness		0.5% on Central Line Thickness		0.5% on Central Line Thickness		0.5% on Central Line Thickness		0.5% on Central Line Thickness		0.5% on Central Line Thickness		0.5% on Central Line Thickness	
Width Tolerance Min (-ve) mm	0		0		0		0		0		0		0		0		0		0	
Width Tolerance Min (+ve)	12		3		20		20		12		3*1 / 0.5*2		12*3 / 3*1		12		12		20	
Mode of Forming	Drawing	Bending	Drawing		Drawing	Bending			Bending		Bending			Bending		Bending				
Chemistry	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
% C	0.035	0.07	0.025	0.05	0.02	0.07	0.02	0.07	0.02	0.06	0.02	0.06	0.02	0.06		0.1	0.035	0.1	0.045	0.1
% Mn	0.2	0.4		0.2	0.1	0.4	0.1	0.35	0.1	0.25	0.1	0.25	0.1	0.25	0.4	0.6	0.3	0.6	0.25	0.6
% Si		0.04		0.015		0.04		0.03		0.03		0.03		0.03		0.05		0.1		0.1
% S		0.02		0.012		0.02		0.015		0.015		0.015		0.015		0.025		0.04		0.05
% P		0.025		0.015		0.025		0.025		0.025		0.025		0.025	0.02	0.045		0.04		0.045
N (ppm)		60		55		60		60		60		60		60						
% Al	0.02		0.025	0.06	0.02		0.02		0.021	0.06	0.021	0.06	0.021	0.06	0.02	0.07				
% B									0.002		0.002									
Mechanical Properties	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
YS (Mpa)	140	220		180	140	220	140	220		270		270		270		240		270		
UTS (Mpa)	280		275	350	280		280		270	410			270	410						
% El	35		45		35		35		30			30								
Hardness (HRB)		50		40		55		50		55		55		55	65	55	65	50	65	
Bend	ok		ok		ok		ok		ok		ok		ok		ok		ok		ok	
ECV (mm)	9.1																			
Surface Characteristics	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Ra	0.8	1.6	0.8	1.2	0.8	1.6	0.8	1.6	0.8	1.4	0.8	1.4	0.8	1.4	0.6	1.6	0.6	1.6	0.6	1.6
R.P. Oil Type	yes		yes		yes		yes		yes		yes		yes		yes		yes		yes	
Shape	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Waviness (mm/500mm)		8		5		10		10		4		3		3		8		8		10
Centre Buckle (mm/500mm)		8		5		8		8		4		3		3		8				8
Camber (mm/1000mm)		1		1		1		1		1		1		1		1		1		1

*1 PLTCM trimmed, *2 EPA trimmed, *3 untrimmed, *4 only for CRC (west)



Standard widths & thickness matrix

Standard widths (mm)	1000	1120	1250/1270	1320	1420/1450	1540
STANDARD THICKNESS (mm) POSSIBLE FOR THE WIDTH	0.40	0.40				
	0.45	0.45	0.45			
	0.50	0.50	0.55	0.55		
	0.60	0.60	0.60	0.60	0.60	
	0.63/0.65	0.63/0.65	0.63/0.65	0.63/0.65	0.63/0.65	
	0.70	0.70	0.70	0.70	0.70	0.70
	0.75	0.75	0.75	0.75	0.75	0.75
	0.80	0.80	0.80	0.80	0.80	0.80
	0.90	0.90	0.90	0.90	0.90	0.90
	0.95	0.95	0.95	0.95	0.95	0.95
	1.00	1.00	1.00	1.00	1.00	1.00
	1.10	1.10	1.10	1.10	1.10	1.10
	1.25	1.25	1.25	1.25	1.25	1.25
	1.50	1.50	1.50	1.50	1.50	1.50
	1.55	1.55	1.55	1.55	1.55	1.55
	1.60	1.60	1.60	1.60	1.60	1.60
	2.00	2.00	2.00	2.00	2.00	2.00
	2.50	2.50	2.50	2.50	2.50	2.50
	3.00	3.00	3.00	3.00	3.00	3.00



Coil & bundle weights

1000 mm	-	19 Tons
1120 mm	-	21 Tons
1250 mm / 1270 mm	-	24 Tons
1320 mm	-	25 Tons
1420 mm / 1450 mm	-	26 Tons
1540 mm	-	28 Tons

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