

TECHNICAL DATA SHEET

TDS No.		Date : 29/08/2020
1	NAME OF CUSTOMER :	RUBICON STEELS, MOHALI (PUNJAB)
2	PRODUCT	Aluminium Sheet
3	END APPLICATION	Rail Coach water Tank & Railway component & Door
PRODUCT SPECIFICATIONS		
4	ALLOY	31000
5	TEMPER	H2
6	CHEMICAL COMPOSITIONS	Si-0.6(Max), Fe-0.7 (Max), Cu-0.1(Max), Mn-0.8 - 1.5 , Mg- 0.1(Max) , Cr-0.2 (Max) , Zn- 0.2(Max) , Ti-0.2 (Max) , Al-Remainder
7	DIMENSIONS & TOLERANCE	
a)	THICKNESS (mm)	(a) 5.00 (Tolrance: +0.00/-0.20mm) & 4.00mm (Tol: +/-0.10mm) (b) 1.00 & 2.50 mm (Tolerance:1 mm +/- 0.03 mm , 2.5 mm +/-0.05 mm)
b)	WIDTH (mm)	(a) 1180/1140/1250/1300/1350 etc - (Tolrance +/- 1mm) (b) 615/558mm etc. (Tolerance : +/-1mm)
c)	Length (mm)	(a) 2550/2040/1690/1470/ etc. -(Tolerance : +/- 2 mm upto 1220mm, +/-3mm for 1220-3000mm & +5mm/-3mm for above 3000 mm) (b) 1785/1741 etc.(Tolrance : +/-2mm)
d)	Dia(mm) - FOR CIRCLE	N/A
8	COIL DIAMETER	N/A
a)	Internal Diameter of coil (mm)	N/A
b)	Maximum Outer Diameter of coil (mm)	N/A
9 a)	Coil Weight (Min,/Max)	250 kg bundle weight
b)	Coil Build up	N/A
10	TENSILE STRENGTH	130 TO 170 Mpa (As per last supply UTS- 152 Mpa for 5 mm & 160 Mpa for 1mm)
12	Elongation	(a) Minimum 18 % for 5.00/4.00mm thickness (Water tank) (b) Minimum 6% for 1mm thick. & Minimum 8% for 2.50mm thickness (Door & other Railway component) (As per last supply elongation 20 % for 5 mm & 8 % for 1 mm)
13	Resistivity	NA
14	Surface Finish	SMOOTH, FLAT & GOOD SURFACE FINISH WITHOUT ANY PIT/DENT/BLACK/WHITE SPOT & SCRATCHES
15	Edges	FINE
16	SPECIAL PACKING REQUIREMENTS	Standard HDPE Packing
17	SPECIAL REQUIREMENT	(A) 4.00mm/5.00 MM THICKNESS : DRAW QUALITY & SUITABLE FOR MAKING RAILWAY COACH WATER TANK (B) 1.00/2.50 MM THICKNESS : BENDING/WELDING QUALITY SUITABLE FOR MAKING RAILWAY COMPONENT/ DOOR 90° Bending at cross direction should be ok
For		ACCEPTED For Jindal Aluminium Limited (Rolling Div.)
Name & Designation of Customer Rep.		Name & Designation

O-17, Industrial Area
Phase-1, Mohali

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