

**Material requirement data sheet for Aluminium sheet**

TDS No.	Date: 29/09/2020
Customer Name	Phoenix Hitec Engineers Pvt. Ltd
Product	Aluminium Sheet
End Application	Railway Component

Thickness	3 mm to 5 mm
Width	1200 mm to 1250 mm
Length	2000 mm to 3000 mm
Alloy	19000
Temper	H2

**Material process**

1. Bending	Yes
2. Punching	Yes
3. Powder Coating	No <i>Yes</i>
4. Anodizing	Yes
5. Welding	Yes

**Aluminium sheet finish**

1. Dead flat	Yes
2. Flat material	Yes
3. Deep drawing	No

**Aluminium Sheet Tolerances in MM, if not critical JAL will supply as per IS standard**

1. Thickness tolerance	<del>+/- 0.04 mm</del> For 3-4 mm - Tol = (+0.075 mm) For 4-5 mm - Tol = (+0.10 mm)
2. Width tolerance	<del>+/- 1 mm</del> +2 mm, -1.0 mm
3. Length tolerance	<del>+/- 2 mm</del> +3 mm. upto 2440 mm Then -3.0 mm +5 mm
4. Squareness tolerance	..
5. Quantity tolerances	+/- 10% of Actual order quantity.

**Aluminium Sheet mechanical properties**

Tensile strength	5% min - 105-140 MPa
Elongation	115-155 - Min 5%
Resistivity (Max)	.....
Conductivity (Min)	.....

**Aluminium sheet Packing**

1. Bundle weight	250 kgs - 300 kgs
2. Packing type	Standard HDPE

Surface	Surface should be free from all defects.
Manufacturing Standard	As per IS 737 - 2008
Special requirement, if any	Need Bend test details in Test Certificate.

For Phoenix Hitec Engineers, Chennai	For Jindal Aluminium Limited (Rolling Div.)
Name & Designation of Customer Rep.	Name & Designation :- P. Prabhakaran & Engineer Purchase
Seal & Signature	Seal & Signature P. Prabhakaran

*Note: We will process forming and bending operation in sheets.*



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