



Jaytee Alloys & Components Limited
(Formerly Jaytee Alloys & Components Pvt. Ltd.)

PRODUCT DATASHEET

95 Zinc, 5 Aluminium

Jaytee Zn5Al alloys has melting temperature 380-400°C. Zn5Al is mainly used in soldering. Zn5Al has a wetting and flowing capability on aluminium which is superseded of pure zinc. Zn5Al has the little tendency of ball forming and run away from soldering joint and spot, which can be improve by using suitable flux.

Soldering can be done by furnace, torch, dip, resistance or ultrasonic procedures. Additional flux is required to soldering.

The strength of joints soldered with Zn5Al alloy generally higher the strength of the base metal. Resistance to corrosion of joints soldered with 95ZN-5AL is superior to that obtainable with other solders. It is comparable to that obtained with pure zinc.

Soldering with Zn5Al is useful on almost all of the aluminium alloys and can be done with ease on virtually all-dissimilar metals. When soldering aluminium to copper-base alloy joints with 95ZN-AL solder, precautions must be taken to prevent excessive alloying. Precoating the copper with a silver-base alloy is an efficient preventive measure.

CHEMICAL COMPOSTION: -

<u>ELEMENT</u>	<u>RANGE</u>
ZINC	BALANCE (95)
ALUMINUM	4.75 - 5.25
COPPER	0.10 MAX.
IRON	0.075 MAX.
LEAD	0.004 MAX.

PHYSICAL PROPERTIES

DENSITY	6.65gm/cm ³ .
MELTING POINT	380-400°C

FORMS

2-20 Ingot, Regular Bar, Plate, Rod etc.

Contact us for technical support: - Mr. Pradeep Kumar (Technical Head), Contact No: +91 8979777000.

Address:

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