

Continuous Galvanizing Grade (ZnAlSb alloy)

Technical Datasheet

Uses

Pre-alloyed (lead free) Zinc-Aluminum-Antimony alloys suitable for continuous galvanizing of iron and steel products.

Chemical specification

Chemical specification*	Guaranteed analysis	Tolerance*
Al	0.3~0.6%	± 10% of nominal
Sb	0.04~0.12%	± 10% of nominal
Pb	≤ 0.01%	
Cd	≤ 0.005%	
Fe	≤ 0.01%	
Sn	≤ 0.001%	
Cu	≤ 0.002%	
Zn	balance	

* Extra impurity elements or control tolerance might be added based on commercial agreement

Physical data

Physical property	Unit	Value
Density solid	kg/dm ³	7.14
liquid (@ 419°C)	kg/dm ³	6.62
Melting point	°C	419
Superficial tension (@ 450°C)	N/m	0.78
Melting enthalpy	kJ/kg	100
Thermal capacity solid	J/kg K	460
liquid	J/kg K	628

Available shapes/package

Shape/package	Nominal weight (in kg)	Dimensions (in mm)
Australia Origin ASTM Jumbo Shape	1089 ± 45	1240 x 500 x 330

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ASTM block (Jumbo), 2 holes
Australia

Nominal mass $1089 \pm 45\text{kg}$
Dimensions $1240 \times 500 \times 330$

