


Update: 20/07/2020	TECHNICAL DATA SHEET	
Ref: Alloy	LEAD FREE Alloy	
Created on: 25/11/2016	Sn99.3Cu0.7Ni0.05Ge0.006	



GENERAL CHARACTERISTICS:

Eutectic alloy for soldering printed circuits, produced from very high quality metals.
Standard ISO 9453 : alloy n° 403 and is also J-STD 006 compliant.
Conform to RoHS 2011/65/EU directive.

CHEMICAL CHARACTERISTICS:

Amount of Copper : 0.7 % ± 0.2%
Special elements added to prevent dross and to improve wettability (Ni = 0.05 % ± 0.01% and **Ge = 60 ppm ± 10 ppm**).
Amount of Tin : Rest
Tin from first melting – Copper with purity > 99.99%

PHYSICAL CHARACTERISTICS:

Melting point : Eutectic 227°C
Specific weight : 7.3 g/cm³
Working temp. : 270°C to 360 °C (typical)

Impurities (ISO 9453) :

	Pb	Sb	Bi	Au	In	Ag	Al	As	Cd	Fe	Zn
% max	0.07	0.1	0.1	0.05	0.1	0.1	0.001	0.03	0.002	0.02	0.001

PACKAGING / STORAGE:

Bars : Extruded Bars or Sticks in cartons of 20kg (exact tare weight stated).
Wire : Various types of reels available adapted to Customer's needs.
Depending on diameter and length.
Other product shape : On request
Storage : In original packaging at room temperature away from inclemencies for 24 months.

SAFETY:

Material Safety Data Sheet available on request. Please consult it before use.

ADDITIONAL INFORMATION:

Our manufacturing processes have been subjected to FMECA analysis (equivalent of AMDEC in France).
Quality Certificate available on request.



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