METALTECH
THE POWER OF RESULTS
Metaltech srl | Via Saviabona 113/G | 36010 | Cavazzale di Monticello Conte Otto (VI) | ITALIA
C.F. e P.IVA 03955300243 | Reg. Imprese VI: 03955300243 | REA: VI - 367516 | Cap. Soc. € 10.000,00 i.v.

TECHNICAL DATA SHEET

PLAST327H - 917 ‰

Master alloy for the production of yellow 750 - 917 ‰ gold jewellery obtained by mechanical working. The elements contained in this product ensure a high surface quality and a high deformation capability thanks the small grain structure, making it suitable for the production of hand and machine made hollow and solid chains, deep drawn items and tube.

TAB.1 - Mechanical data

Hardness as cast	80	HV
Hardness hardened	n.d.	
Tensile strength	n.d.	
Yield strength	n.d.	
Elongation	n.d.	

TAB.2 - Physical data

Color	Deep yellow		
Colour Coordinates	L*: a*: b*:	87.15 7.50 25.40	
Density		17.10	g/cm3
Melting Range	Solidus: Liquidus:	910 960	°C °C

TAB.3 - Heat treatments

Solution annealing	675 20	°C min
Recrystallization Annealing	675 20	°C min
Hardening	n.d.	

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TAB.4 - Mechanical working parameters

Premelting temperature		1060	°C
Casting Temperature	Min: Max:	1010 1110	°C °C
First thickness reduction	Lamination: Drawing:	50 25	% %
Following thickness reductions	Lamination: Drawing:	75 50	% %
Pickling after annealing	H2SO4: Temp: Time:	20 50 5	% °C min