

## TECHNICAL DATA SHEET

### PLAST577 + Ag0% - 917 ‰

Alloy for the production of brass items, jewels and models obtained by mechanical working. The elements contained in this product ensure a high surface quality and a high deformation capability, 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	88	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*:	86.55	
	a*:	8.58	
	b*:	24.39	
Density	16.83	g/cm <sup>3</sup>	
Melting Range	Solidus:	900	°C
	Liquidus:	922	°C

TAB.3 - Heat treatments

Solution annealing	675	°C
	30	min
Recrystallization Annealing	675	°C
	30	min
Hardening	275	°C
	180	min

TAB.4 - Mechanical working parameters

Premelting temperature		1022	°C
Casting Temperature	Min:	972	°C
	Max:	1072	°C
First thickness reduction	Lamination:	50	%
	Drawing:	25	%
Following thickness reductions	Lamination:	75	%
	Drawing:	50	%
Pickling after annealing	H2SO4:	20	%
	Temp:	50	°C
	Time:	5	min