

TECHNICAL DATA SHEET

PLAST567

Alloy for the production of brass or silver items, jewels and models obtained by mechanical working. The elements contained in this product ensure a high surface quality and a high deformation capability thanks to the small grain structure, making it suitable for the production of hand and machine made hollow and solid chains, deep drawn items and tube. The use is suggested with the addition of 0 - 93 % of pure silver to the alloy.

TAB.1 - Mechanical data

Hardness as cast	80	HV
Hardness hardened	n.d.	
Tensile strength	280	MPa
Yield strength	70	MPa
Elongation	41	%

TAB.2 - Physical data

Color	Deep yellow		
Colour Coordinates	L*:	87.04	
	a*:	-0.21	
	b*:	21.68	
Density	8.43	g/cm ³	
Melting Range	Solidus:	825	°C
	Liquidus:	900	°C

TAB.3 - Heat treatments

Solution annealing	650 30	°C min
Recrystallization Annealing	700 30	°C min
Hardening	n.d.	

TAB.4 - Mechanical working parameters

Premelting temperature		1000	°C
Casting Temperature	Min:	950	°C
	Max:	1050	°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