

TECHNICAL DATA SHEET

PLAST567 - 930 ‰

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	71	HV
Hardness hardened	135	HV
Tensile strength	209	MPa
Yield strength	81	MPa
Elongation	53	%

TAB.2 - Physical data

Color	Silver		
Colour Coordinates	L*:	95.43	
	a*:	-0.29	
	b*:	5.85	
Density	10.24	g/cm ³	
Melting Range	Solidus:	805	°C
	Liquidus:	903	°C

TAB.3 - Heat treatments

Solution annealing	660 30	°C min
Recrystallization Annealing	660 30	°C min
Hardening	300	°C
	180	min

TAB.4 - Mechanical working parameters

Premelting temperature		1003	°C
Casting Temperature	Min:	953	°C
	Max:	1053	°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