

## TECHNICAL DATA SHEET

### PLAST585

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	96	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*:	n.d.	
	a*:	n.d.	
	b*:	n.d.	
Density	8,75	g/cm3	
Melting Range	Solidus:	1020	°C
	Liquidus:	1040	°C

TAB.3 - Heat treatments

Solution annealing	765 30	°C min
Recrystallization Annealing	765 30	°C min
Hardening	n.d.	

TAB.4 - Mechanical working parameters

Premelting temperature		1140	°C
Casting Temperature	Min:	1090	°C
	Max:	1190	°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