

TECHNICAL DATA SHEET

PLAST577

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	78	HV
Hardness hardened	n.d.	
Tensile strength	282	MPa
Yield strength	73	MPa
Elongation	40	%

TAB.2 - Physical data

Color	Deep yellow		
Colour Coordinates	L*:	87.00	
	a*:	-0.23	
	b*:	21.65	
Density	8.52	g/cm ³	
Melting Range	Solidus:	835	°C
	Liquidus:	910	°C

TAB.3 - Heat treatments

Solution annealing	626	°C
	30	min
Recrystallization Annealing	626	°C
	30	min
Hardening	n.d.	

TAB.4 - Mechanical working parameters

Premelting temperature		1010	°C
Casting Temperature	Min:	960	°C
	Max:	1060	°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