

**A/T**



**High Performance Mechanical**

**9kt**

## GENERAL INFORMATION

Colour: white – standard  
 colour coordinates: L\*=88.2 a\*=1,93 b\*=10,4

Advised use: mechanical works

MECHANICAL WORKS	stamping	■	chains	■	tube	■	spring	■
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Density: 11,60 g/cm<sup>3</sup>  
 Hardness (as cast): 157 HV  
 Hardness (after cold work 70%): 273 HV  
 Hardness (after annealing): 160 HV

## DIRECTIONS FOR SUGGESTED USE

Melting temperature: 980 °C

Casting temperature:  
 80 °C over its melting temperature for continuous casting with sinker thermocouple.  
 100 °C over its melting temperature to cast into ingot-mould and continuous casting.

Ingot-mould temperature: 150 °C

Cooling of ingots: quick in lukewarm water (about 40 °C)

Annealing: 700 °C for 30 minutes followed by a quick cooling in hot water (40 °C min.), better if with alcohol

Nickel release UNI EN 1811:2011: Nickel release test on finished objects is required

## HINTS

- ❖ Recommended Pandora Alloys 9kt white solders: TB9 (soft), MB9 (medium), FB9 (hard)
- ❖ Suggested Pandora Alloys plating solutions: Rhodium P2 and Palladium PDSOL/BE

The above directions are only indicative. Strong variations to the above data are possible, depending on personal experience. Please, do not hesitate to contact us for further information.