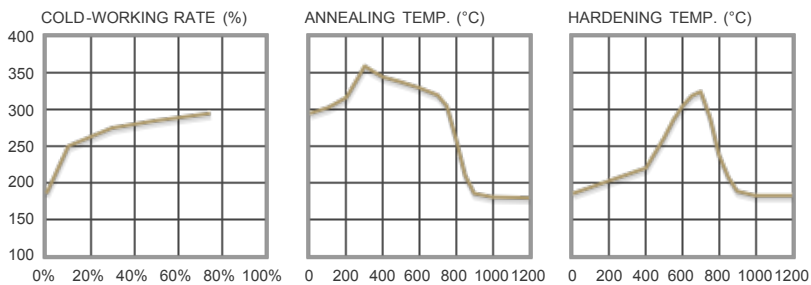


0956 / PLATINUM IRIIDIUM 950 ‰



ALLOY OF PT WITH A LEGAL FINENESS OF 950‰.

THIS ALLOY POSSESSES HIGH STRENGTH AND IS HARDENABLE THROUGH HEAT TREATMENT.

Physical properties	Density	Melting range	Colour
	20.2 g/cm ³		White

Mechanical properties	Hardness [HV1]	Rp _{0.2} [MPa]	Rm [MPa]	A ₅ [%]
Annealed	185	375	580	25
Cold-worked 75%	295	900	970	4
Hardened	325	740	860	16

Heat treatments	Temp. [°C]	Time [min]	Protect. Gas.	Cooling
Annealing	1000	45	Non-critical	Quench
Hardening	700 if annealed	60	Air	Indifferent
	300 if cold-worked	60	Air	Indifferent

COMPOSITION

Pt 950 ‰
Ru + add. 50 ‰

USES

Stamping
Deep drawing
Coining

SATISFACTORY ●●●

Rolling
Wire drawing
Drawing

SATISFACTORY ●●●

Machining

SATISFACTORY ●●●

Polishing
Diamond machining

GOOD ●●●

Investment casting

NOT TESTED

