

METALOR[®]**Data sheet for alloy****Pt 999.5/76**

Division Watches and Jewelry

Colour **platinum**Code **76****General description** fine Platinum**Physical properties** Specific gravity [g/cm³] **21.45** Melting range [°C] **1768**

Mechanical properties			Annealed	20% cold worked	90% cold worked
Vickers hardness		[HV1]	45	75	100
Yield hardness	Rm	[Mpa]	150	190	320
Elastic limit	Rp0.2	[MPa]	80	170	300
Plastic elongation	A	[%]	40	2.5	2

Processing guidelines**ANNEALING** 800 °C for 20 to 30 minutes**COLD WORKING** The amount of coldwork completed before annealing should be between 30% and 90% reduction in area.**SOLDERING** -**PICKLING** -

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