

**METALOR**<sup>®</sup>**Data sheet for alloy****Au 999.9/22**

Division Watches and Jewelry

Colour **gold**Code **22****General description** fine Gold**Physical properties** Specific gravity [g/cm<sup>3</sup>] **19.3** Melting range [°C] **1064**

Mechanical properties			Annealed	20% cold worked	90% cold worked
Vickers hardness		[HV1]	45	60	75
Yield hardness	Rm	[Mpa]	150	200	240
Elastic limit	Rp0.2	[MPa]	100	190	220
Plastic elongation	A	[%]	30	2.5	2

**Processing guidelines****ANNEALING** 200 °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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