Technical sheet - Alloy 392

Color - Fine Gold
Purpose - All Purpose
Karat - 18K - 22K

Physical & Mechanical Properties

Composition	
Cu	39.0%
Ag	59.0%
Zn	2.0%
Ni	0.0%

Color Coordinates			
Karat	**L***	**a***	**b***
18K 392	88.14	2.94	25.39
22K 392	88.35	5.28	31.68

Density (g/cc)	
18K 392	15.48
22K 392	17.85

As cast Hardness (HV)	
18K 392	151
22K 392	77

Melting & Casting Instructions

Temperatures			
	Karat	**°C**	**°F**
Pre alloying	18K	1070° - 1080° C	1960° - 1975° F
	22K	1100° - 1130° C	2010° - 2065° F
Casting	18K	975° - 995° C	1787° - 1823° F
	22K	1075° - 1095° C	1967° - 2003° F
Flask	18K - 22K	510° - 650° C	950° - 1202° F

Quench Time	15-20 Minutes

Remelting	50% Fresh Mix

General Instructions

• Very little *boric acid* flux is recommended. Do not use carbon flux such as soda ash, saltpeter etc. No flux needed in bottom pour automatic casting unit.
• *Flouric based* investment removers are the best for silicon oxide invisible coating. Use of aggresive acid causes corrosion and surface damage. *United's brite cast* investment removers works effectively.
• To calculate the weight of the metal needed (in grams), *multiply density (gm/cc) with weight of wax (grams)* . Add 10% of the total weight for button.
• Gypsum *bonded* investment is recommended. Follow manufacurer's instruction for burnout cycle.

Note: There are proprietary metals in the formulation which are not included in the composition section.

Technical Assistance: Always available... Call 1-800-999-3463 / 1-800-999-FINE
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