

## Technical sheet - Alloy 760

Color - Greenish yellow

Purpose - Casting

Karat - 18K

### Physical & Mechanical Properties

Composition		Color Coordinates				Density (g/cc)		As cast Hardness (HV)	
		Karat	L*	a*	b*				
Cu	24.0%	18K 760	90.22	-0.23	26.31	18K 760	15.6	18K 760	113
Ag	72.8%								
Zn	3.2%								
Ni	0.0%								

### Melting & Casting Instructions

Temperatures			
	Karat	°C	°F
Pre alloying	18K	1050° C - 1070° C	1922° F - 1958° F
Casting	18K	1010° C - 1030° C	1850° F - 1886° F
Flask	18K	510° C - 650° C	950° F - 1202° F

Quench Time	15-20 Minutes
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Remelting	50% Fresh Mix
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### 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 aggressive 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 manufacturer'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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