

18K 713

88.98

1.48

Color - Bright yellow Purpose - Casting Karat - 18K

HV)

141

Physical & Mechanical Properties											
Comp	osition	Colo	or Coor	dinates	5	Density	(g/cc)	As cast Hardness (H			
Cu	32.00%	Karat	L*	a*	b*						
Ag	65.10%	Ndrat		d	D.	18K 713	15.49	18K 713			
_						1 TOV \12	13.49	101 / 12			

25.36

Melting & Casting Instructions									
Temperatures									
	Karat	°C	°F						
Pre alloying	18K	1050° C - 1070° C	1922° F - 1958° F						
Casting	18K	990° C - 1000° C	1814° F - 1850° F						
Flask	18K	510° C - 650° C	950° F - 1202° F						

Quench Time

Zn

Ni

2.90%

0.00%

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.

• <u>Gypsum bonded</u> 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 E-mail / techteam@unitedpmr.com Web-Site / www.unitedpmr.com