

Technical sheet - Alloy 260

Color - Light Greenish Yellow

Purpose - Casting

Karat - 9K - 14K

Physical & Mechanical Properties

Composition		Color Coordinates				Density (g/cc)		As cast Hardness (HV)	
		Karat	L*	a*	b*	10K 260	11.36	10K 260	150
Cu	64.05%	10K 260	90.04	1.51	19.46	14K 260	12.87	14K 260	156
Ag	20.70%								
Zn	15.25%								
Ni	0.00%								

Melting & Casting Instructions

Temperatures			
	Karat	°C	°F
Pre alloying	9K - 14K	1010° - 1040° C	1850° - 1910° F
Casting	10K	920° - 940° C	1688° - 1724° F
	14K	910° - 930° C	1670° - 1706° F
Flask	9K - 14K	510° - 650° C	950° - 1202° F
Quench Time	20-25 Minutes	Remelting	35%-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 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

E-mail / techteam@unitedpmr.com Web-Site / www.unitedpmr.com