## **TECHNICAL SPECIFICATIONS**



H-JBZ3

Alloy Code: H-JBZ3 Colour: Pinkish Yellow

Alloy Type: Bronze

Content: Nickel: 0.0% Palladium: 0.0%

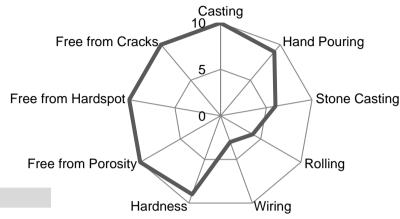
**Silver:** 0.0% **Platinum:** 0.0%

Applications: Suitable for loss wax casting

Advantages: No fume, High fluidity, less porosity

Melting Range (°C):

Bronze 961 - 964



CIELAB Value :							
Karat	YI:D1925	L*	a*	b*			
Bronze	33.1	85.3	1.9	15.9			

Score(1--10)

1 means less likely to occur or not suitable 10 means most likely to occur or most suitable

Recommended Casting Parameters :		(Quenching Time	e: 15-25	Minutes)		
	Metal	Vacuum-assisted Casting				
	Casting	Investment Temperature (°C)				
Karat	Temperature	Thickness of work piece (mm)				
	(°C)	Thin (0.2~0.5)	Medium (0.5~1.1)	Thick (>1.1)		
Bronze	1060-1080	660-720	600-660	540-600		

<b>Tensile P</b>	roperties :				
	Annealed	As Casted	Max	Yield	
Karat	Hardness	Hardness	Strength	Strength	Elongation
	(HV)	(HV)	(MPa)	(MPa)	(%)
Bronze	123	125	388	131	13

## **Technical Advice:**

- 1. To avoid oxidation, the alloys must be covered with inert gas or yellow flame during casting.
- 2. Not more than 50 % of old material should be used for recasting.
- 3. The old material must be tumbled to remove the investment powder residue and oxides.
  - The material is then pickled in dilute sulfuric acid (15 %) for 15 20 minutes to remove the rest of oxides.
- 4. The sprue should be placed at the thickest position. Additional sprue must be applied if necessary. Fluted sprue is preferred to avoid any turbulence.

Remarks: The information is for your reference only. The parameters should be adjusted according to the particular casting conditions. If you have any technical questions, please do not hesitate to contact us.

