



Amalgam Alloy

Introduction

- The manufacture, AT&M Biomaterials Co., Ltd., has passed the certification of ISO9001, ISO13485 and **CE0197**.
- No Zinc and No Gamma 2 Phase.
- Conform to ISO24234 Standards.
- GK Amalgam Alloy Series Include:
HC-1 43%Ag, 32%Sn, 25%Cu
HC-2 50%Ag, 30.5%Sn, 19.5%Cu
HS-1 68%Ag, 27.65%Sn, 4.35%Cu

Operation:

- Alloy:Mercury=1:1.0 ~ 1.1,operation time:4 ~ 7mins.

Package

- HC-1 and HC-2: 50 gram / bottle, HS-1: 25 gram / bottle
- 10 bottles / box, 20 boxes / container

Properties

Test Items	GK Alloy			ISO1559-1995 Standards	ADA Standards
	HC-1	HC-2	HS-1		
1 hr Compressive Strength	>90 MPa	>135 MPa	>100 MPa	≥50 MPa	≥80 MPa
24 hrs Compressive Strength	>400 MPa	>530 MPa	>350 MPa	≥300 MPa	/
24 hrs Volume Change (%)	< +0.07	≤ +0.04	< +0.07	-0.15~+0.2	-0.2~+0.2
7 days Static Creep (%)	< 0.2	≤ 0.3	< 0.25	≤ 3.0	< 3.0



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