

CERAMIC DENTAL ALLOY (CA) 72

LARGE ENOUGH TO SERVE AND SMALL ENOUGH TO CARE!

Properties

I CA 72 Dental Alloy is a Ni-Cr-Mo-Be alloy. CA 72 possesses excellent ceramic-to-metal bond strength. The thermal expansion property is compatible with ceramic. The high chromium and molybdenum contents result in better corrosion resistance, which helps maintain uniformity and resists discoloring. The addition of beryllium helps CA 72 wet onto the ceramic tooth. Typically used for casting artificial tooth/dental crown.

II Nominal Composition: (% by weight)

Nickel	72
Chromium	14
Molybdenum	9
Beryllium	1.6

III Physical Properties:

Casting Temperature	2450° F (1343° C)
Tensile Strength	135,000 psi
Yield Strength	127,000 psi
Elongation	1.5%
Specific Gravity	7.9 g/cm ³
HRC Hardness	40.0

IV Available Forms: Ingot Ø 12 mm x 7mm

V **Caution:** This alloy contains nickel and should not be used for persons with known Nickel sensitivity. Contains beryllium. Grind and polish with adequate ventilation only. (US CA 72 CONTAINS NO BERYLLIUM).

