



A Brand Division of American Tooth Industries

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Justi Porcelana™ Alloy
No Nickel – No Beryllium – No Iron

Porcelana™ Alloy is a nonprecious metal which consists of a high percentage of cobalt and chromium in its chemical analysis. These base metals ensure good castability and low toxicity. There is absolutely no trace of nickel, beryllium or iron to endanger human tissues. B one implantation tests have a resulted in no toxic effects or human hypersensitivity. Comparative test show that there is no structural change in the alloy when exposed to salivary acids. Porcelana Alloy is recommended as a substructure for Justi Porcelana™ and/or Justi-Pakto.

Chemical Analysis:

Table with 2 columns: Element, Percentage. Rows include Cobalt (64.0%), Chromium (29.2%), Molybdenum (5.4%), Silicium (0.6%), Manganese (0.3%), Carbon (0.5%), and 100%.

Directions For Use:

- 1. Use high heat chrome casting investment, either water or alcohol solution.
2. Burn out time and temperature should be determined by recommended conditions of the type of investment that is used.
3. Melting range of alloy is 2462°F (1350°C) to 2516°F (1380°C).
4. Use quartz or alumina crucibles.
5. After casting, quench ring in cold water for 25 to 30 minutes to allow the stabilization of structures.
6. For pre-welding use nonprecious solders.

Finishing:

- 1. Use any system for nonprecious alloys such as sand blasting, electrolytic baths, abrasive stones and rubber wheels.
2. High polish with bristle brushes and chromium compounds.

Type of Packaging:

Table with 2 columns: Grp/Item#, Description. Lists various Porcelana Alloy items and their packaging details, including 1 oz. and 1/2 oz. quantities for different colors and finishes.

Products for Better Dentistry

Additional questions, to place your order, or for the Dealer nearest you, please call the Tooth Express Order Desk at 800-628-1437.