

CoCrMoW

Cobalt, chromium, molybdenum, and tungsten alloy especially designed for applications in the dental industry

Key Features:

- > Excellent biocompatibility
- > Oxidation resistance
- > Excellent corrosion resistance

Example Applications:

- > Ideal for production of dental bridge, dental crown, dental restorations, etc.
- > High-wear resistant applications

[Technical Data]

General Properties

Part Density ISO3369 $\geq 8.55 \text{ g/cm}^3$

Mechanical Properties ¹

(Heat treated)

Tensile Strength ISO6892-1 $\geq 1050 \text{ MPa}$

Yield Strength ISO6892-1 $\geq 650 \text{ MPa}$

Elongation after Fracture ISO6892-1 $\geq 10 \%$

Vickers hardness ISO6507-1 / ISO6508-1 $\geq 310 \text{ HV5/15}$

¹ For more information on heat treatment process, please contact us directly. Farsoon systems are open material platform. For special materials such as tungsten, tantalum and pure copper, please contact us with your inquiries or requirements.

Disclaimer: Many factors may affect the performance characteristics of products. We recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. Farsoon makes no warranties of any type, express or implied, including but not limited to, the warranties of merchantability or fitness for a particular use. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. Farsoon reserves the right to change the technical data without notice. Farsoon®, Buildstar®, Makestar® are registered trademarks of Farsoon Technologies. Last Change: 2024-09



Dental Crown
 System: FS121M
 Partner: Pairui Dental

www.farsoon.com