

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

Density <small>ISO3369</small>	≥8.55 g/cm ³
---------------------------------------	-------------------------

Mechanical Properties

(As built)

Tensile Strength <small>ISO6892-1</small>	≥ 1150MPa
--	-----------

Yield Strength <small>ISO6892-1</small>	≥800 MPa
--	----------

Elongation after Fracture <small>ISO6892-1</small>	≥6 %
---	------

Vickers hardness <small>ISO6507-1</small>	n/a
--	-----

Mechanical Properties ¹

(Heat treated)

Tensile Strength <small>ISO6892-1</small>	≥ 1050 MPa
--	------------

Yield Strength <small>ISO6892-1</small>	≥ 650MPa
--	----------

Elongation after Fracture <small>ISO6892-1</small>	≥ 10 %
---	--------

Vickers hardness <small>ISO6507-1</small>	≥310 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: 2022-01-29



Dental Crown
 System: FS121M
 Partner: Pairui Dental

www.farsoon.com