

High Performance Metal Solutions

H.C. Starck Solutions' High Temperature MIM Furnace Products

H.C. Starck Solutions offers nearly 100 years of experience with a trusted supply chain of superior refractory pure and alloyed materials for heat treating medical, aerospace, defense and automotive products.

Materials

- > Molybdenum
- > Tungsten
- > T7M
- > MoLa (molybdenum-lanthana)

Benefits of Refractory Components

- > Maintain temperature uniformity
- > Quality products made in a clean environment
- > Reduced production cost compared to graphite and ceramics
 - Improved cycle times
 - No carbon contamination
 - Fewer component rejections

Atmosphere Furnaces Served

- > Continuous feeding
- > Chamber high temperature vacuum

MIM Applications

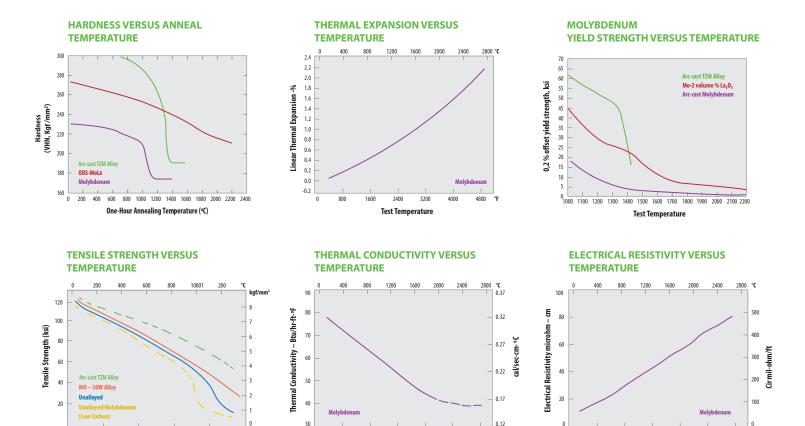
- > Sintering
- > Debonding
- > Annealing
- > Heat Treating

Forms Available

- > Boats & Trays
- > Hot Zones
- > Furnace Racks
- > Heat Shields



Superior Mechanical Properties with Molybdenum Alloys



Typical Tensile Properties for indicated Products (5/8 inch Diameter bars)

Test Temperature

Molybdenum alloys - high melting temperature refractory, lower cost than tungsten, good creep resistance and high temperature mechanical properties.

The conditions of your use and application of our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis at least must include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by H.C. Starck Solutions. All information is given without warranty or guarantee. It is expressly understood and agreed that the customer assumes and hereby expressly releases H.C. Starck Solutions from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation to use any product in incurred in connection with the use of our products, technical assistance and information. Any statement or recommendation to use any product in conflict with patients covering any material or its use. No license is implied or in fact granted under the claims of any patient. Properties of the product sreferred to herein shall as general rule not be classed as information on the properties of the product sreferred to herein shall as general rule not be classed as information on the properties of the product states and the latest version of our General Conditions of Sale and Delivery.

2400 3200 Test Temperature

Test Temperature

The values in this publication are typical values and do not constitute a specification.

For additional info please contact:

H.C. Starck Inc.
21801 Tungsten Road
Euclid, OH 44117 USA
Phone: +1 216 692 3990
info@hcstarcksolutions.com
www.hcstarcksolutions.com