



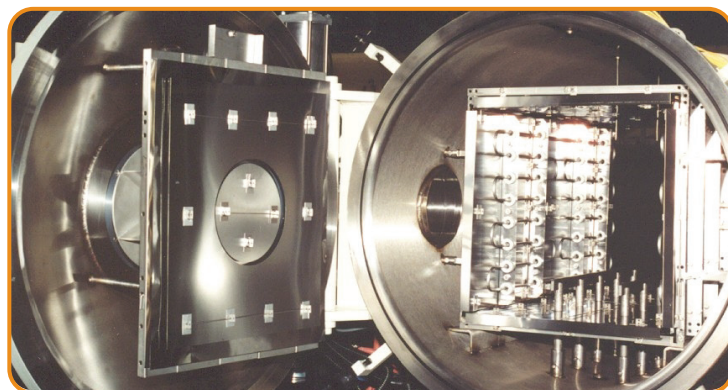
Vacuum Furnace Molybdenum Component Stocking Program

Molybdenum Rod, Sheet, Plate, Wire, Threaded Rod and Nuts from Stock for Immediate Shipment.

VACUUM FURNACE INDUSTRY APPLICATIONS

Molybdenum's strength and stability at elevated temperatures make molybdenum an attractive material for use in the fabrication of high-temperature vacuum furnace components. Our new, Vacuum Furnace Molybdenum Component Stocking Program (VFM Program) offers an expanded line of Molybdenum products to provide you with replacement materials for support structures, furnace rails, heat shields, heating elements, evaporation boats, crucibles, and other Molybdenum components you need.

Ed Fagan Europe Ltd. offers Molybdenum and TZM Molybdenum Alloy for the Vacuum Furnace Industry in a wide range of forms in many thicknesses and diameters ready for immediate shipment - stock items can ship from our United States warehouse within 24 hours. We can cut, slit, or center-less grind Molybdenum to your exact requirements, and no order is too small.



PHYSICAL PROPERTIES

Density	<i>lb./cu.in.</i>	0.369
	<i>Gm/cc</i>	10.30
Melting Point	<i>°F</i>	4760
	<i>°C</i>	2625
Electrical Resistivity	<i>micro-ohm-cm</i>	5.17
Thermal Conductivity	<i>BTU-in/sq.ft.hr-°F</i>	84.5
Specific Heat	<i>BTU/lbm-°F</i>	0.065
Thermal Expansion	<i>ppm/°F (75°F-854°F)</i>	2.9
Tensile Strength	<i>KSI Ambient</i>	120-200
	<i>KSI 500°C</i>	35-85
	<i>KSI 1000°C</i>	20-30

STOCK FORMS AVAILABLE

Rod	0.254mm - 50.80mm
Standard Sheet	0.127mm - 4.75mm
DDQ Sheet	0.127mm - 1.524mm
Plate	4.762mm - 25.40mm
Wire	0.025mm - 3.175mm
Threaded Rod	Call for sizes
Hex Nuts	Call for sizes

If you do not see the size or form you require listed above, please call us. We add new stock material frequently, and may have the size and form you need.

In addition, Ed Fagan Europe Ltd. offers a wide range of Tungsten, Tungsten Alloys, and Nickel materials in a wide variety of shapes, forms, and sizes for immediate shipment from our US warehouse.

If you need Molybdenum Rod, Sheet, Plate, Wire, Threaded Rod or Nuts for your Vacuum Furnace application, contact Ed Fagan Europe Ltd. today at: **+44 (0) 1548 858 770**, or visit our website **www.edfagan.co.uk**

Unit 3a South Hams Business Park, Churchstow, Kingsbridge Devon, UK • phone **+44 (0) 1548 858 770** • fax **+44 (0) 1548 856 516**

**THE MATERIALS YOU NEED,
WHEN YOU NEED THEM**



www.edfagan.eu
sales@edfagan.eu
+44(0) 1548 858 770

efi
ED FAGAN INC.

Glass Sealing / Controlled Expansion Alloys / Electrical & Electronic Nickel

EFI provides the highest quality materials including materials from Carpenter Technology Corp.

ASTM F15 Alloy:

aka Kovar, Pernifer 2918, NILO K & Dilvar P1
Coil/Strip, Sheet, Plate, Round Bar

Invar:

aka Invar 36, Pernifer 36, NILO 36 & Invar Steel
Round Bar, Sheet, Plate

42/ *42-6/ *46/ *48/52 Alloy:

aka Pernifer 40, 46, 48 & 50;
NILO 42, 46, 48 & 50;
Glass Seal 42, 42-6, 46, 48 & 50
Coil/Strip, Sheet, Plate, Round Bar

Electronic Nickel

200/201/233/ *270:

Coil/Strip, Round Bar, Sheet

**Products listed in Italics are special order and not standard stock items. Please call for availability.*

Soft Magnetic Alloys/ EMI Shielding & Laminations

EFI is a distributor of magnetic shielding alloys for the world's leading producer of these alloys – ThyssenKrupp VDM.

EFI Alloy 79:

aka Magnifer 7904, Moly-Permalloy,
HyMu 80, Hypernom & Permalloy 80
Round Bar, Sheet, Coil/Strip

EFI Alloy 50:

aka Magnifer 50, High Permeability 49 & Alloy 47-50
Round & Square Bar, Coil/Strip

Carpenter VimVar Core Iron:

Round Bar

Carpenter Hiperco 50:

Round Bar, Coil/Strip

Radiometal 4550:

Round Bar, Coil/Strip

Refractory Metals/Alloys

EFI is a stocking distributor of Molybdenum & Tungsten products, as well as many other refractory metals and alloys, providing the highest quality materials available.

Molybdenum:

Round Bar, Sheet, Plate,
Foil/Coil/Strip, Wire,
Threaded Rod & Nuts

TZM Molybdenum Alloy:

Round Bar, Sheet, Plate

Tungsten:

Round Bar, Plate, *Sheet, *Wire

**Tantalum: Round Bar, Sheet*

**Niobium: Foil/Coil/Strip*

Tungsten Alloy:

Round Bar, *Sheet, *Plate,
*Shapes, *Flat Blanks

**Rhenium: Sheet*

**Products listed in Italics are special order and not standard stock items. Please call for availability.*

METALS WE DISTRIBUTE

Titanium - CP & 6Al-4V • High Temperature Alloys • Corrosion Resistant Alloys • Stainless Steel

JUST IN TIME DELIVERY:

All **standard stock** items can be **shipped within 24 hours** from our United States warehouse – and are often **shipped the same day**. For **special order** materials, EFI has long relationships with the manufacturers of these materials, so please contact a sales rep to discuss price and delivery options. All materials can be certified with shipment.

SERVICES WE OFFER

Slitting, Shearing, Saw Cutting, Centerless Grinding, Water-jet Cutting, Laser Cutting, Custom Stocking Programs, Consignment Programs



Are you spending too much of your valuable time trying to locate specialty metals and materials? If you can't locate the hard-to-find materials you need, use EFI's Material Locator to source them for you.

www.Material-locator.com

THE MATERIALS YOU NEED,
WHEN YOU NEED THEM



www.edfagan.eu
sales@edfagan.eu
+44(0) 1548 858 770

efi
ED FAGAN INC.