

TB-189  
Refractory Metal Sheet and Foil

Pure Rhenium Ribbon

Thickness (in.)	Widths (in.)
0.0010	0.015
0.0012	0.020
0.0016	0.025
0.0020	0.028
0.0030	0.030
	0.040

Standard tolerances (in.):  
Width ±.002, Thickness ±10%

We offer two highly pure grades of rhenium ribbon: commercial and zone refined. Their uses extend from mass spectrometers to other diverse electronic applications. Our commercial grade rhenium ribbon is 99.97% pure and zone refined rhenium ribbon meets a 99.995% purity grade. Both are measured on metallic content. You may chose from a variety of widths from .015" and thickness from .001" to .003" in rhenium ribbon. Each grade may also be ordered in either random lengths or pre-cut pieces to best meet your applications. Both are available in either metric or english units.

Intermediate, special and metric sizes as well as specific pre-cut lengths can be ordered on request. Random lengths range from 5" to 20". All widths listed can be produced in all thicknesses listed.

Pure Rhenium And Moly/Rhenium Sheet

Pure Rhenium Sheet

Thickness (in.)	Width (in.)
.001 to .0019	Up to 2
.002 to .0049	Up to 3
.005 to .019	Up to 4
.020 to .070	Up to 6
.071 to .300	Upon request

Produced using powder metallurgy techniques, pure rhenium sheet is extremely ductile after welding and can be formed in a variety of shapes including pure rhenium tubing used in high tech applications. HeatWave Labs supplies our growing markets with sizes down to a .001" thickness in a variety of widths and lengths.

Molybdenum/Rhenium sheet is available in two standard alloys with 47.5% and 41% rhenium. HeatWave can provide a variety of Molybdenum/Rhenium combinations by customer request to meet your needs. Mo47.5%/Re sheet is produced as thin as .0005" for heat shield and electronics applications. Other customers use the Mo41%/Re alloy which does not develop sigma phase, making the material even more ductile after exposure to high temperatures. All are available in metric or english units.

Molybdenum/Rhenium Sheet

Thickness (in.)	Width (in.)
.0005 to .0009	Up to 1
.001 to .0019	Up to 2 1/4
.002 to .0049	Up to 3
.005 to .019	Up to 4
.020 to .080	Up to 6
.081 to .300	Upon request

Intermediate, special and metric sizes are available on request. Lengths are made to order in a full range of sizes.



#101945 MoRe Sleeves for dispenser cathode applications

Tungsten, Molybdenum and Tantalum Foil

Thickness	Tungsten			Molybdenum			Tantalum		
	Kg / Cu In	Width	Length	Kg / Cu In	Width	Length	Kg / Cu In	Width	Length
0.0005	-	-	Inquire for Length	0.000837	12"	Stocked In Coils	-	Inquire	Inquire
0.0006	-	-		0.000100	12"		-		
0.0007	-	-		0.000117	12"		-		
0.0008	-	-		0.000134	12"		-		
0.0009	-	-		0.000151	12"		-		
0.0010	0.000316	5"		0.000167	12"		0.0006		
0.0012	-	-		0.000200	12"		-		
0.0014	-	-		0.000234	12"		-		
0.0015	0.000475	5"		0.000257	12"		-		
0.0016	-	-		0.000267	12"		-		
0.0018	-	-		0.000301	12"		-		
0.0020	0.000633	6"		0.000335	12"		0.0012		
0.0022	-	-		0.000367	12"		-		
0.0024	-	-		0.000401	12"		-		
0.0026	-	-		0.000434	12"		-		
0.0028	-	-		0.000468	12"		-		
0.0030	0.000969	6" & 12"		0.000502	12"		0.0018		
0.0035	-	-		0.000585	12"		-		
0.0040	0.001265	6" & 12"		0.000670	12"		0.0024		
0.0045	-	-		0.000753	12"		-		
0.0050	0.001579	6" & 12"	0.000836	12"	0.0030				
0.0060	-	-	0.001006	12"	-				
0.0070	-	-	0.001180	12"	0.0042				
0.0080	0.002534	6" & 12"	0.001319	12"	-				
0.0100	0.003133	12"	0.001657	12"	0.0060				
0.0150	0.004687	12"	0.002534	12"	0.0090				
0.0200	0.006215	12"	0.003368	12"	0.0120				

Sheet and Foil Stock

- Many more sizes available than listed, call for specifics
- Most sizes available from stock
- Some sizes offered in roll or sheet form
- Special sizes available on request