

# SILVER Pure Molybdenum Ribbon (SPM)

## 1. [CHEMICAL COMPOSITION]

We usually produce the pure Mo ribbon of which Mo composition is 99.90% and over.

## 2. [CHARACTERISTICS]

<1> We can produce very long ribbon, compared with that of slit ribbon from wide sheet.

<2> Slit ribbons have sometimes lamination cracks. But our Mo ribbons are 100% free from lamination cracks.

<3> There is no burr as we roll them from a round Mo wire.

<4> Our ribbon is more ductile than that of slit ribbon, due to heavily worked to metallurgically fiber structure.

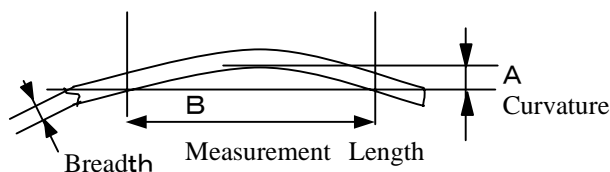
## 3. [QUALITY]

### 3.1 Breadth and Thickness Tolerance (mm)

Thickness	Tolerance(±)	Breadth 0.5~≤2.0	Breadth 2.0<~≤3.2
0.03~≤0.10	Thickness tolerance	0.008	0.010
	Breadth Tolerance	0.080	0.100
0.10<~≤0.30	Thickness tolerance	0.010	0.020
	Breadth Tolerance	0.050	0.100
0.30<~≤0.80	Thickness tolerance	0.020	0.030
	Breadth Tolerance	0.100	0.150
0.80<~≤1.00	Thickness tolerance	0.030	0.040
	Breadth Tolerance	0.150	0.200

### 3.2

#### Curvature (mm)



A. Curvature	≤4
B. Measurement Length	1000

## 4. [MECHANICAL PROPERTY]

Tensile Strength (N/mm <sup>2</sup> )	680 ≤
Elongation (%)	12 ≤



## 5. [APPLICATION]

<1> Glass sealing material of high brightness lamp (Halogen lamp, HID Mercury lamp, metal halide lamp, etc.) <2> Sleeve for tungsten filament in halogen lamp <3> Heatsink material for semiconductor <4> Heater element and its parts for high temperature furnace <5> Electron tube (transmitter tube, CRT, vacuum tube) <6> Various electrodes (Note: a higher brightness, longer life, good reappearance of the color display., etc. can be assured, compared with the conventional nickel electrode)

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