Engineered Materials Solutions has been producing precision rolled Clad and Thermostatic Bimetal for over 100 years. Today, as part of our product portfolio, we offer Nickel and Nickel Alloys - produced by Auerhammer Metallwerk GmbH.

Whether you require Metallic Foil, Strip, or Coil form, we can provide high quality Nickel and Nickel Alloys to suit your needs. From batteries, to metal stampings, or medical device components and magnetic imaging equipment parts, we’ve got you covered.

Our company is dedicated to providing the highest level of quality, service, and technical support. It’s our goal to provide you with the best support possible, so you are able to get to the market faster and with a better product.

Advantages

› High thermal conductivity
› Low carbon content
› Good weldability
› High ductility
› Corrosion resistance
› High strength
### Nickel & Nickel Alloys

<table>
<thead>
<tr>
<th></th>
<th>ASTM</th>
<th>Max</th>
<th>Max Coil OD</th>
<th>Max Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nickel</td>
<td>B 160</td>
<td>200</td>
<td>201</td>
<td>233</td>
</tr>
<tr>
<td>Nickel Copper</td>
<td>B 162</td>
<td>400</td>
<td>404</td>
<td>500</td>
</tr>
<tr>
<td>Nickel Chromium</td>
<td>B 168</td>
<td>600</td>
<td>601</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B 443</td>
<td></td>
<td></td>
<td>625</td>
</tr>
<tr>
<td>Nickel Iron</td>
<td>F30</td>
<td>36</td>
<td>42</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>F15</td>
<td></td>
<td></td>
<td>29/18</td>
</tr>
<tr>
<td>Soft Magnetics</td>
<td>A 753</td>
<td>48</td>
<td>Perm 77</td>
<td>Sup MuNi80</td>
</tr>
</tbody>
</table>

### Thickness & Width Capabilities

<table>
<thead>
<tr>
<th></th>
<th>Max</th>
<th>Max Coil OD</th>
<th>Max Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.003” to 0.125”</td>
<td>13”</td>
<td>43”</td>
<td>4000#</td>
</tr>
<tr>
<td>Inside Diameter with or without cores</td>
<td>12”</td>
<td>16”</td>
<td>20”</td>
</tr>
</tbody>
</table>

### Tension Leveling

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ungerer Leveling Line</td>
<td>.003 up to .040</td>
<td>13 inch Max</td>
<td></td>
</tr>
</tbody>
</table>

Chemistry is based on standard ASTM specifications
Tolerances are also according to ASTM specifications
Standard Heat Lot sizes are 6,600#
Typical master coils are 3,000# per coil

**Typical Applications**

- Shim stock
- Cable shielding
- Photo etched parts
- Electrical Components
- Fuel Cells
- Welded Tubing
- Oil, gas and chemical processing
- Flexible hose
- Washers
- Valve and pipe gaskets
- Stamped parts
- Diodes and Transistors
- Transformers
- Disc Drives
- Magnetic imaging equipment
- Laminates
- Sensors

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