**ACS KNITTED WIRE MESH**

Stainless Steel 304, 309, 310, 316, 321, Inconel 600 and 601 and Monel 400 in wire diameters of .006”, .008”, .0095” and .011”

Service Temperature to 2000 °F
Corrosive Resistant Extremely Durable Available and Economical

Knitted Wire Mesh from ACS is always clean and degreased. Packing is in sturdy cardboard cartons approximately 55 lb. in weight for easy handling and shipping to you. Available in flattened tubes or crimped from 6” to 42”. Rolled up in cardboard tubes for easy pay out.
**Description:**
Knitted wire in various diameters of wire that are knitted into a tubular form and then flattened into continuous lengths which are then rolled up for packaging. The standard knit of ACS Insulation Mesh is 8 stitches per inch of width and 6-8 courses per inch of length.

**Uses:**
Ideal envelope material for fabricating removable and reusable insulation blankets for thermal and acoustical insulation systems. Flexible in both directions for conforming to highly irregular surfaces. The mesh securely retains and protects the insulation. It withstands stresses of repeated installations, vibration, buffeting, moisture, corrosion and temperature extremes. Excellent for marine, aerospace, industrial and commercial pad construction.

**Dimensions:**
ACS knitted wire mesh comes in wire diameters of 0.006", 0.008", 0.0095" and 0.011". It is available in flattened tubes with widths of 6", 8", 10", 12", 18", 24", 30", 36", 38" and 42" inches and then rolled up and packaged in cardboard boxes. Can be supplied in either a flat or a crimped (corrugated) form. Crimped mesh yields approximately 20% less coverage. See chart.

**Construction:**
- 0.011 and 0.0095 wire diameters are recommended for maximum strength and temperature
- 0.008 intermediate applications requiring less frequent removal and for sewn applications
- 0.006 used where flexibility is the prime consideration
- Crimped mesh, although reducing coverage, provides a slight air gap for extremely high temperature applications and also counteracts the tendency of the material to roll back when cut

**Physical Properties:**

<table>
<thead>
<tr>
<th>ALLOY</th>
<th>TEMPERATURE RANGE (°F)</th>
<th>WIRE DIA. (INCHES)</th>
<th>Sq. Ft. 1-ply Flat</th>
<th>Per Pound 2-ply Flat</th>
</tr>
</thead>
<tbody>
<tr>
<td>304</td>
<td>900° Continuous</td>
<td>0.011</td>
<td>13.0</td>
<td>6.5</td>
</tr>
<tr>
<td>Stainless</td>
<td>1200° Intermittent</td>
<td>0.0095</td>
<td>17.0</td>
<td>8.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.008</td>
<td>24.0</td>
<td>12.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.006</td>
<td>39.0</td>
<td>19.5</td>
</tr>
<tr>
<td>321</td>
<td>1200° Continuous</td>
<td>0.011</td>
<td>13.0</td>
<td>6.5</td>
</tr>
<tr>
<td>Stainless</td>
<td>1500° Intermittent</td>
<td>0.0095</td>
<td>17.0</td>
<td>8.5</td>
</tr>
<tr>
<td>Inconel</td>
<td>2000° F</td>
<td>0.011</td>
<td>11.8</td>
<td>5.9</td>
</tr>
<tr>
<td>600 and 601</td>
<td>1000° F</td>
<td>0.008</td>
<td>21.8</td>
<td>10.9</td>
</tr>
<tr>
<td>Monel 400</td>
<td>1000° F</td>
<td>0.011</td>
<td>11.2</td>
<td>5.6</td>
</tr>
<tr>
<td>309</td>
<td>1650° F</td>
<td>Recommended</td>
<td></td>
<td></td>
</tr>
<tr>
<td>310</td>
<td>1850° F</td>
<td>for exhaust applications</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Temperatures above are based upon oxidizing environment & typical values. Results may vary depending on specific technical requirements of each application.

**Specifications:**
- AMS-5647
- ASTM-A182
- ASTM-A276
- ASTM-A314
- ASTM-A479
- ASTM-A580
- FEDERAL-QQ-S-763
- MIL-S-862
- MIL-S-23195

**Other Accessories:**
- Lancing Anchors, Quilting Pins and Speed Washers
- Tie Wire
- Hog Rings
- Stainless Steel
- Sewing Thread
- Draw Cord and Cable