## Physical & Mechanical Properties

**Series 1610 (SS819)**
24’’ (609.6mm) W x 10’’ (254mm) H

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<thead>
<tr>
<th>Physical Properties</th>
<th>Imperial Value</th>
<th>Units</th>
<th>Metric Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Section Modulus</td>
<td>18.40</td>
<td>in²/ft</td>
<td>989.24</td>
<td>cm²/m</td>
</tr>
<tr>
<td>Moment of Inertia</td>
<td>101.43</td>
<td>in⁴/ft</td>
<td>13851.12</td>
<td>cm⁴/m</td>
</tr>
<tr>
<td>Typical Thickness</td>
<td>0.30</td>
<td>in</td>
<td>7.62</td>
<td>mm</td>
</tr>
<tr>
<td>Depth of Sheet</td>
<td>10.00</td>
<td>in</td>
<td>254.00</td>
<td>mm</td>
</tr>
<tr>
<td>Width of Sheet</td>
<td>24.00</td>
<td>in</td>
<td>609.60</td>
<td>mm</td>
</tr>
<tr>
<td>Weight (single pile)</td>
<td>5.47</td>
<td>lbs/ft²</td>
<td>26.71</td>
<td>kg/m²</td>
</tr>
<tr>
<td>Angle of the web</td>
<td>20</td>
<td>°</td>
<td>20</td>
<td>°</td>
</tr>
<tr>
<td>Cross Sectional Area of Sheet</td>
<td>13.47</td>
<td>in²</td>
<td>86.90</td>
<td>cm²</td>
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<tr>
<td>Standard Color</td>
<td>Graphite Gray</td>
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Part drawings and physical property sheets can be viewed at [http://www.creativepultrusions.com](http://www.creativepultrusions.com).
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### Notes:

*Ultimate Capacity based on ASTM D7290-06 Characteristic Values.  
LRFD Factored for long term water exposure; Time effect factor λ of .4 applied; ∅ factor of .80 applied.

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