**Product Description**

Stainless steel 316L is a workhorse material used for manufacturing acid and corrosion resistant parts. Select 316L when stainless steel flexibility is needed; 316L is a more malleable material compared to 17-4 PH. Final parts built in 316L receive stress relief application.

**Applications**

The material is used for manufacturing acid and corrosion resistant prototypes and unique or series production parts in the following fields: Medical technology, plant engineering, automotive industry, jewelry and components for molds.

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**Key Product Benefits**

- Acid and corrosion resistance
- High ductility

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**Properties**

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Condition</th>
<th>Ultimate Tensile Strength (ksi)</th>
<th>Yield Stress (ksi)</th>
<th>Elongation (%)</th>
<th>Hardness</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 µm</td>
<td>Stress Relieved</td>
<td>89</td>
<td>73</td>
<td>55</td>
<td>94 HRB</td>
</tr>
<tr>
<td>30 µm</td>
<td>Stress Relieved</td>
<td>92</td>
<td>72</td>
<td>58</td>
<td>94 HRB</td>
</tr>
</tbody>
</table>

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All of the figures contained on this data sheet are approximate and dependent on a number of factors, including but not limited to, machine and process parameters. The information provided is therefore not binding and not deemed to be certified.

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