AISI 4130, API Spec. 6A - PSL 3-4, H₂S Service

Hot rolled or forged, solid or bored round bars, square bars, disks and rings, H₂S Service, quenched and tempered to API Spec.6A, 75K, K, EE and ISO 15156 (NACE MR 0175).

DEFINITIONS

75K: Standard tensile property requirement (Mini Yield Strength 75 000 psi)

K: Temperature operating range: - 60 / + 82 °C (- 75 / + 180 °F)
   Impact test at - 60°C (- 75°F)

EE: Sour Service (H2S Service) as defined in ISO 15156 (NACE MR 0175)

PS: Product specification level

CHEMICAL ANALYSIS (WEIGHT %)

<table>
<thead>
<tr>
<th></th>
<th>C</th>
<th>Si</th>
<th>Mn</th>
<th>P</th>
<th>S</th>
<th>Cr</th>
<th>Mo</th>
<th>Ni</th>
<th>Cu</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min.</td>
<td>0.28</td>
<td>0.15</td>
<td>0.40</td>
<td>-</td>
<td>-</td>
<td>0.80</td>
<td>0.15</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Max.</td>
<td>0.33</td>
<td>0.35</td>
<td>0.60</td>
<td>0.025</td>
<td>0.025</td>
<td>1.10</td>
<td>0.25</td>
<td>0.25</td>
<td>0.35</td>
</tr>
</tbody>
</table>

MECHANICAL PROPERTIES

Tensile and impact properties are determined by specimen tests conforming to ASTM A370 requirements. Specimens are taken from QTC (Qualified Test Coupon) according to API Spec. 6A.