API 5L Gr.B PSL 1 – PSL 2 Pipes

Web: www.victorsteel.net
Introduction

Victor Steel Corporation is a prominent name in manufacturing and exporting of high quality of API & Carbon Steel Seamless Pipes & Tubes in India. Victor Steel Corporation offers a commendable range of API & API 5L Gr.B PSL 1 & PSL 2 Pipes & Tubes for the prestigious clients with competitive price, we at Victor Steel Corporation have the manufacturing capability & production flexibility to respond to the most dynamic & complex needs of our customers

**API 5L Gr.B PSL 1**

**Specifications :**

<table>
<thead>
<tr>
<th>CHEMICAL COMPOSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass fraction, based upon heat and product analysis a</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SEAMLESS PIPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
</tr>
<tr>
<td>maxb</td>
</tr>
</tbody>
</table>
### MECHANICAL REQUIREMENTS

<table>
<thead>
<tr>
<th>Y.S (Mpa(ksi))</th>
<th>T.S (Mpa(ksi))</th>
<th>ELONGATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>245(35 500)</td>
<td>415(60 200)</td>
<td>28%</td>
</tr>
</tbody>
</table>

0.50% maximum for copper, 0.50% maximum for nickel, 0.50% maximum for chromium, and 0.15% maximum for molybdenum.

For each reduction of 0.01% below the specified maximum concentration for carbon, an increase of 0.05% above the specified maximum concentration for manganese is permissible, up to a maximum of 1.65%.

Unless otherwise agreed, the sum of the niobium and vanadium contents shall be ≤0.06%.

The sum of the niobium, vanadium and titanium concentrations shall be ≤0.06%.

Unless otherwise agreed.

Unless otherwise agreed, the sum of niobium, vanadium and titanium concentrations shall be ≤ 0.15%.
# API 5L Gr.B PSL 2

## CHEMICAL COMPOSITION

<table>
<thead>
<tr>
<th></th>
<th>Cb</th>
<th>Si</th>
<th>Mn</th>
<th>P</th>
<th>S</th>
<th>V</th>
<th>Nb</th>
<th>Ti</th>
<th>Other</th>
<th>CEIIW</th>
<th>CEPcm</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SEAMLESS &amp; WELDED PIPES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L245R OR BR</td>
<td>0.24</td>
<td>0.4</td>
<td>1.2</td>
<td>0.025</td>
<td>0.015</td>
<td>c</td>
<td>c</td>
<td>0.04</td>
<td>e</td>
<td>0.43</td>
<td>0.25</td>
</tr>
<tr>
<td>L245Q OR BQ</td>
<td>0.18</td>
<td>0.45</td>
<td>1.4</td>
<td>0.025</td>
<td>0.015</td>
<td>0.05</td>
<td>0.05</td>
<td>0.04</td>
<td>e</td>
<td>0.43</td>
<td>0.25</td>
</tr>
<tr>
<td><strong>WELDED PIPE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L245M OR BM</td>
<td>0.22</td>
<td>0.45</td>
<td>1.2</td>
<td>0.025</td>
<td>0.015</td>
<td>0.05</td>
<td>0.05</td>
<td>0.04</td>
<td>e</td>
<td>0.43</td>
<td>0.25</td>
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## MECHANICAL REQUIREMENTS

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<th>T.S</th>
<th>ELONGATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mpa (psi) min</td>
<td>Mpa (psi) min</td>
<td>min</td>
</tr>
<tr>
<td></td>
<td>245 (35 500)</td>
<td>450 (50 300)</td>
<td>f</td>
</tr>
</tbody>
</table>

## IMPACT TEST

<table>
<thead>
<tr>
<th></th>
<th>AVG. ABSORBED ENERGY</th>
<th>IND. ABSORBED ENERGY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Min. (joules)</td>
<td>Min. (joules)</td>
</tr>
<tr>
<td></td>
<td>27</td>
<td>20</td>
</tr>
</tbody>
</table>
Unless otherwise agreed, the sum of the niobium & vanadium concentrations shall be = 0.06%

Unless otherwise agreed, 0.50% maximum for copper, 0.30% maximum for nickel, 0.30% maximum for chromium, & 0.15% maximum for

Pipe Stock List

**API-5L-X65 PSL-1/PSL-2 Seamless, ERW, HFW, LSAW, DSAW, HSAW/SSAW (Spiral Welded)**

**Line Pipe**

API-5L Grade-B, X-42, X-46, X-52, X-56, X-60, X-65, X-70, X-80 PSL1 PSL2 Line Pipe

API 5L Grade B PSL1 Line Pipes - Available ex-stock
API 5L Grade B PSL2 Line Pipes - Available ex-stock
API 5L Grade B PSL1 Sour Service Line Pipes - Available ex-stock
API 5L Grade B PSL2 Sour Service Line Pipes - Available ex-stock
API 5L Grade B PSL1 NACE MR-0175 Line Pipes - Available ex-stock
API 5L Grade B PSL2 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X42 PSL1 Line Pipes - Available ex-stock
API 5L X42 PSL2 Line Pipes - Available ex-stock
API 5L X42 PSL1 Sour Service Line Pipes - Available ex-stock
API 5L X42 PSL2 Sour Service Line Pipes - Available ex-stock
API 5L X42 PSL1 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X42 PSL2 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X46 PSL1 Line Pipes - Available ex-stock
API 5L X46 PSL2 Line Pipes - Available ex-stock
API 5L X46 PSL1 Sour Service Line Pipes - Available ex-stock
API 5L X46 PSL2 Sour Service Line Pipes - Available ex-stock
API 5L X46 PSL1 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X46 PSL2 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X52 PSL1 Line Pipes - Available ex-stock
API 5L X52 PSL2 Line Pipes - Available ex-stock
API 5L X52 PSL1 Sour Service Line Pipes - Available ex-stock
API 5L X52 PSL2 Sour Service Line Pipes - Available ex-stock
API 5L X52 PSL1 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X52 PSL2 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X56 PSL1 Line Pipes - Available ex-stock
API 5L X56 PSL2 Line Pipes - Available ex-stock
API 5L X56 PSL1 Sour Service Line Pipes - Available ex-stock
API 5L X56 PSL2 Sour Service Line Pipes - Available ex-stock
API 5L X56 PSL1 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X56 PSL2 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X60 PSL1 Line Pipes - Available ex-stock
API 5L X60 PSL2 Line Pipes - Available ex-stock
API 5L X60 PSL1 Sour Service Line Pipes - Available ex-stock
API 5L X60 PSL2 Sour Service Line Pipes - Available ex-stock
API 5L X60 PSL1 NACE MR-0175 Line Pipes - Available ex-stock
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API 5L X70 PSL1 Line Pipes - Available ex-stock
API 5L X70 PSL2 Line Pipes - Available ex-stock
API 5L X70 PSL1 Sour Service Line Pipes - Available ex-stock
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API 5L X70 PSL1 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X70 PSL2 NACE MR-0175 Line Pipes - Available ex-stock
API 5L X80 PSL1 Line Pipes - Available ex-stock
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API 5L X80 PSL2 NACE MR-0175 Line Pipes - Available ex-stock

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CONTACT US

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