Stelco produces strong, high performance advanced high strength steel for the demanding needs of North American manufacturers. Our STELMAX™ product portfolio contains innovative steels engineered to meet the rising expectations of our customers.

To learn more about STELMAX™1180MP contact a Stelco Sales or Customer Technical Service Representative.
STELMAX™ 1180MP Applications

STELMAX™ 1180MP is a cold rolled multi-phase advanced high strength steel with a minimum tensile strength of 1180MPA.

STELMAX™ 1180MP has a high yield-to-tensile ratio and its microstructure is predominantly ferrite-martensite. Stelco's steel is toll-processed on a continuous annealing line that uses state-of-the-art hydrogen quench technology which produces a strip with excellent shape.

STELMAX™ 1180 is ideal for automotive lightweight applications requiring high energy absorption.

Size Availability

**Thickness**
- 0.028" - 0.071"
- 0.7 mm - 1.8 mm

**Max Width**
- 30" - 48"
- 760 mm - 1220 mm

Mechanical Properties*

<table>
<thead>
<tr>
<th>Grade</th>
<th>Yield Strength Min - Max (MPa)</th>
<th>Tensile Strength Min - Max (MPa)</th>
<th>Elongation Min (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1180MP</td>
<td>875 - 1150</td>
<td>1180 - 1350</td>
<td>6%</td>
</tr>
</tbody>
</table>

Mechanical properties tested as per ASTM in the longitudinal direction

* Grades according to OEM standards are available on request

Chemistry

<table>
<thead>
<tr>
<th>Grade</th>
<th>C</th>
<th>Mn</th>
<th>Al</th>
<th>Si</th>
<th>Cr+Mo</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>1180MP</td>
<td>0.20</td>
<td>2.0</td>
<td>0.07</td>
<td>0.60</td>
<td>0.4</td>
<td>0.004</td>
</tr>
</tbody>
</table>

Maximum % element composition