PRODUCT DESCRIPTION:
AlSi10Mg is an aluminum master alloy often specified for casting or die casting parts. It is characterized by having an excellent strength-to-weight ratio among aluminum alloys, but it has a lower elongation at break. It has good high-temperature characteristics, corrosion resistance, and fatigue resistance.

APPLICATIONS:
Due to its high strength-to-weight ratio, AlSi10Mg is a good choice among casting materials for automotive and aerospace applications, notably gearboxes, housings and brackets that are subject to high loading.

KEY BENEFITS:
- High strength
- Excellent temperature and corrosion resistance
- Good tensile, fatigue, creep, and rupture strength

PROPERTIES:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Ultimate Tensile Strength (ksi)</th>
<th>0.2% Yield (ksi)</th>
<th>Elongation (%)</th>
<th>Hardness (HRB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM F3318-18</td>
<td>35</td>
<td>20</td>
<td>10</td>
<td>47.2</td>
</tr>
</tbody>
</table>

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.