### Chemical composition

<table>
<thead>
<tr>
<th>Element</th>
<th>Min %</th>
<th>Max %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Si</td>
<td>8,0</td>
<td>11,0</td>
</tr>
<tr>
<td>Fe</td>
<td>0,6</td>
<td>1,1</td>
</tr>
<tr>
<td>Cu</td>
<td>2,0</td>
<td>4,0</td>
</tr>
<tr>
<td>Mn</td>
<td>-</td>
<td>0,55</td>
</tr>
<tr>
<td>Mg</td>
<td>0,15</td>
<td>0,55</td>
</tr>
<tr>
<td>Cr</td>
<td>-</td>
<td>0,15</td>
</tr>
<tr>
<td>Ni</td>
<td>-</td>
<td>0,55</td>
</tr>
<tr>
<td>Zn</td>
<td>-</td>
<td>1,2</td>
</tr>
<tr>
<td>Pb</td>
<td>-</td>
<td>0,094</td>
</tr>
<tr>
<td>Sn</td>
<td>-</td>
<td>0,15</td>
</tr>
<tr>
<td>Ti</td>
<td>-</td>
<td>0,20</td>
</tr>
</tbody>
</table>

Others each max 0,05% and total max 0,25%

### General description of properties:
Universal alloy with very good castability, particularly suitable for pressure die casting. Little tendency towards forming surface and internal cavities caused by shrinkage on solidification. Good machinability.

### Suitable applications:
For wide range of applications. Also for complicated and thin-wall castings. Especially suitable for highly stressed pressure die castings.

### Heat treatment:
Not usually age hardened.

### Mechanical and physical properties

#### Density
- kg/dm³: 2,75

#### Strength
- Good

#### Machinability
- Good

#### Weldability
- Poor

#### Resistance to corrosion
- Poor

#### Decorative anodizing
- Not recom.

#### Ability to be polished
- Satisfact.

#### Linear thermal expansion
- 293-373°C, K⁻¹: 21 x 10⁻⁶

#### Electrical conductivity
- MS/m: 13 – 17

#### Thermal conductivity
- W/m°C: 110 - 120

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[1]: SS-EN 1676:2010
[2]: SS-EN 1706:2010