

# EN AW-6061

ASTM 6061 · 6xxx · Al-Mg-Si (heat-treatable)

## DESIGNATIONS

EN AW <b>EN AW-6061</b>	ASTM / US <b>6061</b>	DIAMETERS <b>9.5 mm</b>	Σ, MPA <b>240-310</b>
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## APPLICATIONS

Structural-electrical applications, fasteners, structural members.

## ADVANTAGES

- Versatile structural alloy
- High strength in T6 temper
- Good weldability
- Corrosion-resistant

## TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, Ω·MM <sup>2</sup> /M	CONDUCTIVITY, MIN, % IACS
<b>T4</b>	9.5	240-290	8	0.04300	40
<b>T6</b>	9.5	290-310	8	0.04400	40

## CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
<b>Si</b>	0.400	0.800
<b>Fe</b>	—	0.700
<b>Cu</b>	0.150	0.400
<b>Mn</b>	—	0.150
<b>Mg</b>	0.800	1.200
<b>Cr</b>	0.040	0.350
<b>Zn</b>	—	0.250
<b>Ti</b>	—	0.150
<b>Al (Al, min)</b>		<b>balance</b>

DESIGNATIONS	MIN %	MAX %
Other impurities — each		≤ 0.05%
Other impurities — total		≤ 0.15%

**Alusilk**  
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