

# EN AW-1080A

ASTM 1080 · 1xxx · Pure aluminium

## DESIGNATIONS

EN AW <b>EN AW-1080A</b>	ASTM / US <b>1080</b>	DIAMETERS <b>9.5; 12 mm</b>	Σ, MPA <b>65-145</b>
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## APPLICATIONS

High-purity wires and special applications requiring maximum conductivity and minimal impurity content.

## ADVANTAGES

- High purity (Al ≥ 99.80%)
- Maximum electrical conductivity in the 1xxx series
- Low impurity content — stable quality
- Suitable for specialty cable applications

## TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, Ω·MM <sup>2</sup> /M	CONDUCTIVITY, MIN, % IACS
<b>O</b>	9.5	60-85	30	0.02725	63.3
<b>H11</b>	9.5; 12	80-100	20	0.02785	61.9
<b>H12</b>	9.5; 12	95-110	15	0.02790	61.7
<b>H13</b>	9.5; 12	105-120	10	0.02794	61.7
<b>H14</b>	9.5; 12	115-145	5	0.02801	61.5

## CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
<b>Si</b>	—	0.150
<b>Fe</b>	—	0.150
<b>Cu</b>	—	0.030
<b>Mn</b>	—	0.020
<b>Mg</b>	—	0.020
<b>Zn</b>	—	0.060

DESIGNATIONS	MIN %	MAX %
<b>Ti</b>	—	0.020
<b>Ga</b>	—	0.030
<b>V</b>	—	0.050
<b>Al (Al, min)</b>		<b>≥ 99.80%</b>
Other impurities — each		≤ 0.03%
Other impurities — total		≤ 0.10%

**Alusilk**  
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Coiled Aluminium · Connected Future

**HEADQUARTERS**  
Dubai Silicon Oasis, Dubai, UAE  
+971 50 153 0202  
info@alusilk.ae

**UZBEKISTAN BRANCH**  
7 Abdulla Qodiriy St · Yunusobod district ·  
Tashkent  
+998 97 341 2222  
alusilk.uz · alusilk.ae