

EN AW-1100

ASTM 1100 · 1xxx · Pure aluminium

DESIGNATIONS

EN AW EN AW-1100	ASTM / US 1100	DIAMETERS 9.5; 12 mm	Σ , MPA 75-170
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APPLICATIONS

General-purpose cables, electrical components, protective sheathing.

ADVANTAGES

- Versatile alloy for general industrial use
- Good workability
- Contains copper for enhanced strength
- Affordable solution for mass production

TEMPER STATES

TEMPER	DIAMETER, MM	TENSILE STRENGTH, MPA	ELONGATION, MIN, %	RESISTIVITY, MAX, $\Omega \cdot \text{MM}^2/\text{M}$	CONDUCTIVITY, MIN, % IACS
F	9.5; 12	75-110	20	0.02950	58.5
O	9.5	75-95	25	0.02940	58.5
H12	9.5; 12	110-140	12	0.02970	58
H14	9.5	140-170	6	0.02990	57.5

CHEMICAL COMPOSITION, %

DESIGNATIONS	MIN %	MAX %
Si	—	0.950
Fe	—	0.950
Cu	0.050	0.200
Mn	—	0.050
Zn	—	0.100
Al (Al, min)		$\geq 99.00\%$
Other impurities — each		$\leq 0.05\%$

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

Alusilk

PART OF ITS GROUP

Coiled Aluminium · Connected Future

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