

Aluminum Rods

Technical Data Sheet



Description

EC Grade 1350 Pure Aluminum Rods are manufactured using Continuous Casting and Rolling (CCR) technology, ensuring high conductivity and mechanical reliability.

Diameter: $\varnothing 9.5\text{mm} \pm 0.5\text{mm}$

Standard Compliance: ASTM B233

Mechanical Properties

Temper	Tensile Strength (Mpa)	Elongation % Min. (250mm Gauge Length)
H11	80-95	10
H12	83-117	4
H14	103-138	4

Electrical Properties

Temper	Resistivity ($\Omega\text{-mm}^2/\text{m}$)	Conductivity (% IACS)
H11	0.02785	61.9%
H12	83-117	61.5%

Chemical Composition

Element	ASTM B233 Requirement
Aluminum (Al), min.	99.6%
Silicon (Si), max.	0.1%
Iron (Fe), max.	0.4%
Copper (Cu), max.	0.05%
Manganese (Mn), max.	0.01%
Magnesium (Mg), max.	0.03%
Chromium (Cr), max.	0.01%
Zinc (Zn), max.	0.05%
Gallium (Ga), max.	0.03%
Vanadium (V) + Titanium (Ti), max.	0.02%
Boron (B), max.	0.05%
Others (each), max.	0.03%
Others (total), max.	0.1%

Packaging

Coil Weight 2000 kg $\pm 10\%$

Internal Diameter $\varnothing 550\text{--}600\text{ mm}$

External Diameter $\varnothing 1300\text{--}1340\text{ mm}$

Coil Height 850-900 mm

Polyethylene Sheet wrapped, strapped on wooden pallets