

# Aluminium

## 99.7% Pure / 1070A

Version 3

Symbol	Number	Element	Si	Fe	Cu	Mn	Mg	Zn	Ti	Al	Density g/cm <sup>3</sup>
99.7	1070A	Min %	-	-	-	-	-	-	-	-	2.64
		Max %	0.25	0.23	0.03	0.03	0.03	0.07	0.03	99.70	

Aluminium wire is manufactured in both flat and round form. Chaplin Bros has been producing large quantities of high specification flat aluminium wire for numerous applications for many years and has a high capacity available to meet customer demands.

Physical Properties			
Condition	Min N/mm <sup>2</sup>	Max N/mm <sup>2</sup>	Elongation %
O	-	95	30
H14	95	-	5
H18	125	-	3

#### Physical Properties:

- Resistivity: 0.0270 ( $\Omega \times \text{mm}^2/\text{m}$ )
- Elongation at soft temper: >30 %

#### Tolerances:

<0.25mm	±0.005mm
0.25-0.50mm	±0.008mm
0.50-1.00mm	±0.012mm
1.00-2.00mm	±0.02mm
2.00-4.00mm	±0.03mm

#### Typical applications:

- Brush wire
- Medical / PPE face masks
- Resistance wire



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