

# AL6061-T6

\* Note: This document is provided for reference only. Actual chemical composition and mechanical properties may vary by batch, thickness, and material supplier. We can provide material traceability and certificates if requested at the time of order.

Technique Standard	GB/T 3880.2-2024
Composition Standard	GB/T 3190-2020

## Chemical Composition

Element	Si	Fe	Cu	Mn	Mg	Cr	Zn	Na	Ti	Al
Standard Value (%)	0.40-0.8	≤0.7	0.15-0.4	≤0.15	0.8-1.2	0.04-0.35	≤0.25	-	≤0.15	Balance
Measured Value (%)	0.5942	0.4283	0.2190	0.1141	1.0366	0.0591	0.1634	-	0.0267	97.3061

## Mechanical Properties

	Standard Value	Measured Value
Tensile Strength	≥ 290 MPa	321 MPa
Yield Strength	≥ 240 MPa	309 MPa
Elongation at Break	≥7%	10%

## Other Mechanical Properties

Hardness (HV)	HB96-108
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