

AL7075-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	EN485-2016
Composition Standard	GB/T 3190-2020

Chemical Composition

Element	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Zr	Al
Standard Value (%)	0-0.4	0-0.5	1.2-2.0	0-0.3	2.1-2.9	0.18-0.28	-	5.1-6.1	0-0.2	-	Remain
Measured Value (%)	0.13	0.28	1.5	0.08	2.6	0.21	-	5.7	0.04	-	Remain

Mechanical Properties

	Standard Value	Measured Value
Tensile Strength	≥ 530 MPa	552~563 MPa
Yield Strength	≥ 460 MPa	484~493 MPa
Elongation at Break	≥ 5%	9~10%

Other Mechanical Properties

Hardness (HV)	HB168-173
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