

METAL

AL6063 T6

Basic Physical Properties

Chemical Composition (%)										
Melt No	Element	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
	Standard Value	0.2-0.6	≤0.35	≤0.10	≤0.35	0.45-0.9	≤0.10	≤0.10	≤0.10	remainder
	Actual Value	0.52	0.25	0.025	0.012	0.76	0.026	0.021	0.012	

Mechanical Properties

Sampling Method	Tensile Strength		Yield Strength		Elongation		Hardness	
	Standard value	Actual value	Standard value	Actual value	Standard value	Actual value	Standard value	Actual value
Longitudinal	≥230	258	≥180	196	≥5	7		61HB
Microstructure	Macrostructure		Ultrasonic		Surface Control		Hydrogen Content	