



HULAMIN

ROLLED PRODUCTS

6061 Data Sheet

Chemical Composition

(in weight %)

%	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each		Al
									Each	Total	
min	0.40	-	0.15	-	0.80	0.05	-	-			Remainder
max	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.150	0.0500	0.15	

Mechanical Properties

(in weight %)

Temper	Units	UTS (Min)	0.2%, YS	% Elongation	Typical Fatigue Strength	Typical Hardness Brinell
			(minimum)	(minimum)		
T651	Metric	290 MPa	240 MPa	10%	95 MPa	16 ksi
	Imperial	42 ksi	35 ksi	10%	95 HB	95 HB

Physical Properties

Property	Metric	Imperial
Thermal Conductivity	167W/m°C	1160 btu - in/ft ² hr°F
Electrical Conductivity	43% IACS	43% IACS
Modulus of Elasticity	69GPa	10 gsi
Identification Marking	In accordance with Aluminium Association	

Corrosion Resistance

Good

Weldability

Good

Formability

Good

Machinability

Good

Anodising

Good

Brazeability

Good