

L160 T73511

Chemical Properties

Element	Chemical Composition %
Silicon (Si)	0.0 - 0.40
Iron (Fe)	0.0 - 0.50
Copper (Cu)	1.20 - 2.00
Manganese (Mn)	0.0 - 0.30
Chromium (Cr)	0.18 - 0.28
Magnesium (Mg)	2.10 - 2.90
Zinc (Zn)	5.10 - 6.10
Titanium (Ti)	0.0 - 0.25
Titanium (Ti) + Zirconium (Zi)	0.0 - 0.25
Other (Each)	0.0 - 0.05
Others (Total)	0.0 - 0.15
Aluminium (Al)	Balance

Mechanical Properties

Dia (mm)	Proof Strength (Min)	Tensile Strength (Min)	Elongation (% Min)
Up to & incl. 10	400	470	7
Over 10 up to & incl. 20	420	485	8
Over 20 up to & incl. 50	415	485	8
Over 50 up to & incl. 75	410	475	8
Over 75 up to & incl. 100	380	450	7
Over 100 up to & incl. 150	365	425	7

Physical Properties

Property	Value
Density	2.81 Kg/m ³
Melting Point	635 °C
Thermal Expansion	23.5 x 10 ⁻⁶ /K
Modulus of Elasticity	72 GPa
Thermal Conductivity	134 - 160 W/m.K
Electrical Resistivity	40% IACS

Temper Types

The most common temper for L160 - 7075 aluminium is:

T7351 - Solution heat treatment then specially artificially aged for resistance to stress corrosion

Disclaimer

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