

## Kormax Aluminium 7075

## Material Data Sheet

7075 aluminium alloy (AA7075) is an aluminium alloy, with zinc as the primary alloying element. It has excellent mechanical properties, and exhibits good ductility, high strength, toughness and good resistance to fatigue. It is one of the most commonly used aluminium alloy for highly stressed structural applications and has been extensively utilized in aircraft structural parts.

### Chemical Composition (%)

Element		
Aluminium	Al	Balance
Magnesium	Mg	2.1-2.9
Silicon	Si	0.40 max
Manganese	Mn	0.3 max
Iron	Fe	0.5
Copper	Cu	1.2-2.0
Zinc	Zn	5.1-6.1
Chromium	Cr	0.18-0.28
Titanium	Ti	0.2 max

### Mechanical Properties

	Metric Values
Tensile Strength Min	530 MPa
Yield Strength Min	455 MPa
Elongation	7%

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