

Aluminum 7075-T7351

Aluminum 7075 is an alloy with zinc as the primary alloying element. It has excellent mechanical properties and exhibits high strength, toughness, and resistance to fatigue. It has higher corrosion resistance than other aluminums, making it a great option for aerospace applications.

Applications

Typical applications consist of aircraft fittings, automotive parts, brackets, gears, housing, shafts, missile parts, valve parts, and other aircraft, aerospace and defense applications.

Key Product Benefits

- Corrosion Resistance
- Toughness
- Ductility
- High Strength and Hardness
- Low Weight
- Fatigue Resistance
- Excellent Machinability
- Electrical Conductivity

Properties

Alloy 7075

Temper	System	Thickness	Tensile Strength	Yield Strength	Elongation	Brinell Hardness
T7351 Plate	Imperial	0.250-4.000 in	61-69 ksi	48-57 ksi	6-7%	135
	Metric	6.35-101.60 mm	421-476 MPa	331-393 MPa	6-7%	135