Aluminium Alloy
QQ-A-250/13 'O' Sheet

SPECIFICATIONS

Commercial	7075 CLAD

A high strength aerospace aluminium alloy in the fully soft condition

CHEMICAL COMPOSITION

SAE AMS QQ-A-250/13
Alloy QQ A 250/13

Element	% Present
Zinc (Zn)	5.1 - 6.1
Magnesium (Mg)	2.1 - 2.9
Copper (Cu)	1.2 - 2
Iron (Fe)	0.5 max
Silicon (Si)	0.4 max
Chromium (Cr)	0.18 - 0.35
Manganese (Mn)	0.3 max
Titanium (Ti)	0.2 max
Others (Total)	0.15 max
Other (Each)	0.05 max
Aluminium (Al)	Balance

ALLOY DESIGNATIONS

Aluminium alloy QQ-A-250/13 has similarities to the following standard designations and specifications **but may not be a direct equivalent:**
AMS 4049, AMS4278, Alloy 7075, UNS A97075

TEMPER TYPES

Alloy QQ-A-250/13 CLAD SHEET is supplied in a range of tempers including fully soft
- O - Soft
- T6 - Solution heat treated and artificially aged

SUPPLIED FORMS

Alloy QQ-A-250/13 is supplied in CLAD sheet and plate
- Sheet
- Plate

GENERIC PHYSICAL PROPERTIES

Property	Value
Density	2.71 g/cm³
Melting Point	635 °C
Thermal Expansion	23.5 x10^{-6} /K
Modulus of Elasticity	72 GPa
Thermal Conductivity	75 W/m.K
Electrical Resistivity	45.5 % IACS

MECHANICAL PROPERTIES

These are for sheets in the 'O' temper

Thickness (mm)	Proof Strength (Min)	Tensile Strength (Min)	Elongation % (Min)
Over 0.2 up to & incl. 0.3	138	248	9
Over 0.3 up to & incl. 1.5	138	248	10
Over 1.6 up to & incl. 4.7	138	262	10

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REVISION HISTORY

Datasheet Updated	07 January 2014

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