

Super Alloy INCOLOY Alloy 330 (UNS N08330)

Chemical Composition

The chemical composition of INCOLOY alloy 330 is given in the following table.

Element	Content (%)
Iron, Fe	43
Nickel, Ni	34-37
Chromium, Cr	17-20
Manganese, Mn	≤2
Others	Remainder

Physical Properties

The following table discusses the physical properties of INCOLOY alloy 330.

Properties	Metric	Imperial
Density	8.08 gm/cm ³	0.292 lb/in ³

Mechanical Properties

The mechanical properties of INCOLOY alloy 330 are tabulated below.

Properties	Metric	Imperial
Tensile strength(annealed)	600 MPa	87 ksi
Yield strength(annealed)	280 MPa	40.6 ksi
Elongation at Break	45%	45%