Nimonic 75 is a nickel-chromium alloy with good mechanical properties and oxidation resistance at high temperatures. Nimonic 75 is most commonly used for sheet metal fabrications which require oxidation and scaling resistance together with medium strength at high operating temperatures. Nimonic 75 is also used in gas turbine engines, for components of industrial furnaces, for heat treating equipment and fixtures, and in nuclear engineering.

Nimonic 75 Specification

Grade	UNS	W.Nr
Nimonic 75	N06075	2.4951/2.4630

Nimonic 75 Chemical Composition:

%	Ni	C	Si	Mn	S	Co	Cr	Cu	Fe	Pb	Ti	Al
Min	Bal	0.08					18.00				0.20	
Max		0.15	1.00	1.00	0.02	5.00	21.00	0.50	5.00	0.005	0.60	0.30

Nimonic 75 Physical properties(Minium Value at 20°C):

Tensile strength σb / Mpa	Yield Strength σp0.2 / Mpa	Elongation σ5 /%
⩾240	⩾650	⩾25

Nimonic 75 Size Range

- Wire: Dia 0.08-12mm
- Bar: Dia1.0-300mm
- Strip(Coil): 0.2-20mm TCK x 10-300mm W
- Sheet: min.0.7mm TCK x 1200mm W max.
- Tube & Forging & Machine Parts: customized
- Welding wire: 0.8mm,1.0mm,1.2mm,2.0mm,2.4mm,3.2mm,3.8mm,4.0mm etc
- Welding Strip: 0.4-0.7mm TCK x 25-60mm W