

NICKEL ALLOY 75

Alloy 75 is a creep resistant nickel-chromium alloy with a controlled carbon content and a small addition of titanium.
Alloy 75 has good mechanical properties and oxidation resistant at high temperatures.

Specific Gravity									
8.37 g/cm ³									
Typical Applications					Related Specifications				
Components for industrial and aircraft gas turbines Industrial furnace components High Temperature fasteners Thermocouple sheathing Heat treating equipment and fixtures					BS HR5 BS HR504 UNS N06075 DIN 17752 ISO 9723 W.Nr 2.4630				
Chemical Composition (Wt %)									
	Ni	Cr	Fe	C	Mn	Si	Cu	Al	Ti
Min	–	19	–	0.08	–	0.3	–	–	0.2
Max	Ba	21	5	0.13	1.0	0.7	0.5	0.3	0.6
Typical Mechanical Properties in the Solution Treated Condition									
0.2% Proof Stress					Tensile Strength	Elongation	Hardness		
MPA					MPA	%	HB		
240					650	25	<230 (less equal)		

* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

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