

INCONEL ALLOY 602

NICKEL ALLOY

HIGH TEMPERATURE RESISTING ALLOY

INCONEL 602 covers nickel alloy forgings. These alloys are classified into different grades according to their chemical composition. Inconel 602 Alloy covers Ni-Cr-Fe-Al alloy UNS N06025. Alloy 602 is a high carbon nickel-chromium-iron alloy with addition of the micro-alloying elements titanium and zirconium together with aluminium and yttrium. It is normally supplied in the solution-annealed condition with an oxidized and descaled surface. The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

Chemical Properties

C	Mn	P	S	Si	Cr	Cu	Ti	Al	Fe	Zr	Y
0.15-0.25	0.15 Max	0.02 Max	0.01 Max	0.5 Max	24.0-26.0	0.10 Max	0.1-0.2	1.8-2.4	8.0-11.0	0.01-0.10	0.05-0.12

Mechanical Properties

Yield strength	Tensile strength	Elongation
Min 0.2% Mpa	Min Mpa	Min %
270	680	30

Heat Treatment

Solution Annealed @ 1177°C & Rapidly Liquid Quenched

Equivalent Designation

UNS N06025
En Name NiCr25FeAlY
W.Nr. 2.4633

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