

Nimonic 80a - LEGA DI NICHEL 80A

La lega 80A (nota anche con il nome commerciale di Special Metals Nimonic 80A) è una lega di nichel-cromo simile alla lega 75 ma resa temprabile mediante aggiunta di alluminio e titanio. La lega 80A ha una buona resistenza alla corrosione e all'ossidazione ed elevate proprietà di resistenza alla trazione e al creep a temperature fino a 1500 gradi F.

Specific Gravity													
8.19 g/cm ³													
Typical Applications							Related Specifications						
Bolts Exhaust valves Gas turbine components Tube supports in nuclear steam generators							BS 3076 (NA20) BS HR1 BS HR601 ASTM B637 UNS N07080 MSRR 7011 W.Nr 2.4952 W.Nr 2.4631 DIN 17742						
Chemical Composition (Wt %)													
	Ni	Cr	Fe	C	Mn	Si	S	Ti	Al	Cu	B	Zr	Co
Min	Bal	18	–	–	–	–	–	1.8	1.0	–	–	–	–
Max	–	21	3.0	0.10	1.0	1.0	0.015	2.7	1.8	0.2	0.008	0.15	2.0
Typical Mechanical Properties													
0.2% Proof Stress					Tensile Strength		Elongation		Reduction of area		Hardness		
MPA					MPA		%		%		HV		
Min					Min		Min		Min		Min		

620	1000	20	12	300
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* Every effort has been made to ensure that our technical specifications are accurate. However, technical specifications included within Dynamic Metals Ltd should be used as a guideline only and are subject to change without notice.

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