Data Sheet

Westgate

Alloy 80a

(UNS N07080) W. Nr. 2.4952 & 2.4631

Chemical composition	C	Cr	Si	Cu	Fe	Mn	Ti	Al	Co
% Present (Max)	0.10	18-21	1.0	0.2	3.0	1.0	1.8-2.7	1.0-1.8	2.0
Chemical composition	**B**	**Zr**	**Pb**	**S**	**Ni**				
% Present (Max)	0.008	0.15	0.00025	0.015	Bal				

Alloy 80A is a wrought, age-hardenable nickel-chromium alloy, strengthened by additions of titanium, aluminum and carbon, developed for service at temperatures up to 815°C (1500°F). It is produced by high-frequency melting and casting in air for forms to be extruded. Electroslag refined material is used for forms to be forged. Vacuum refined versions are also available. alloy 80A is currently used for gas turbine components (blades, rings and discs), bolts, nuclear boiler tube supports, die casting inserts and cores, and for automobile exhaust valves.

Note: Values are in accordance with EN 10088 specifications. Actual mill certs available upon request.

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