Material Data Sheet

QUEST 4 ALLOYS

Alloy 602 CA

Chemical Composition	Cr	Ni	Mo	Cu	Cg + Ta	Al	Ti	C	Fe	Y	Mn	Si	P	S	Zr			
% Values (minimum)	24.0	-				1.80	0.10	0.15		0.05	-	-			0.01			
% Values (Maximum)	26.0	bal				2.40	0.20	0.25		0.12	0.15	0.50			0.10			

APPLICATIONS
Rotary kiln and shaft
Furnace rollers / Oven Parts
Nozzles
Pipe supports
Components in the exhaust gas purifying catalyst of automobiles
Reformers in the chemical and petrochemical industry
Hydrogen production
Heater plugs

DESCRIPTION

2.4633 is a high carbon chromium-iron-nickel alloy which also contains additives of microalloy elements titanium, zirconium and aluminum, and yttrium. Alloy 602CA is characterized by excellent high temperature creep properties, excellent fatigue resistance in the HCF and LCF mode and extraordinary oxidation resistance at high temperatures and under cyclic conditions.

CORROSION RESISTANCE

This alloy is characterized by excellent high-temperature creep properties; and Exceptional resistance to oxidation at higher temperatures, even under cyclic conditions. It also possesses very good high temperature corrosion resistance ub carburizing and oxidizing/chlorinating media as well as under metal dusting conditions.

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