

STANDARD MATERIALS

Material	Name	Mat.-No.	SIKA-					Fe	Cr	Ni	C	Mo	Miscellany	Max. Temperature °C		Keyword
			R...	FIL	B	Reducing	Oxidizing									
			IS	AX	AS	in weight- %										
High alloyed material	AISI 304 L	1.4306	x	x	x		Bal.	18.0-20.0	8.0-12.0	<=0.03	0.5	N<=0.1	600	500	Standard for food application	
	AISI 316 L	1.4404	x	x	x		Bal.	16.0-18.0	10.0-14.0	<=0.03	2.0-3.0	N<=0.1	540	400		
						x							380	320		
	AISI 904 L	1.4539	x	x	x		Bal.	19.0-21.0	24.0-26.0	<=0.02	4.0-5.0	N<=0.15 Cu 1.2-2.0	600	500	Resistant against sulphuric acid, phosphoric and hydrochloric acid	
	AISI 310	1.4841				x	Bal.	24.0-26.0	19.0-22.0	<=0.25	-	-	800	600	Heat resistant	
	FeCrAl	1.4767 Mod.				x	Bal.	19.0-22.0	-	<0.10	-	Al 5.0-6.5 with rare earth elements	unfit	900		
Nickel based alloys*	Hastelloy C 22	2.4602	x				2.0-6.0	20.0-22.5	Bal.	<0.02	12.0-14.5	W 2.0-3.5 Co 2.5	650	650	Corrosion resistant with various aggressive media. Duration application at > 400 °C possible.	
	Hastelloy C 276	2.4819	x	x			4.0-7.0	14.0-16.0	Bal.	<0.02	15.0-17.0	W 3.0-4.5	650	650		
	Hastelloy X	2.4665	x	x			17.0-20.0	20.5-23.0	Bal.	<0.15	8.0-10.0	Co 0.5-2.5 W 0.2-1.0	930	800		
	Inconel 600	2.4816	x	x	x		6.0-10.0	14.0-17.0	>=72.0	<0.15	-	-	700	600		
	Inconel 625	2.4856	x		x		<=5.00	20.0-23.0	>=58.0	<0.10	8.0-10.0	Nb 3.15-4.15	650	650		
	Monel 400	2.4360	x	x	x		<2.0	-	>=63.0	<0.30	-	Cu 28.0-34.0	500	500	Resistant against Cl-containing media	
Bronze**	89/11 AK	-				x	-	-	-	-	-	Sn 9-11 < 2 % others Rest Cu	300	250	Typically used for hydraulic & pneumatic	
Titanium	Ti	-	x	x			-	-	-	-	-	Ti > 99 %	500	500	Medicine. acid. electrolysis	
Other	Other materials on request															

Not all raw materials are in stock. Typical Iron or Nickel elements e.g. Si, Mn,P,S according to the literature.

*Nickel based AX-products only after consultation. Not all dimensions feasible. **Nickel plating possible.