

Nickel alloys	DIN EN ISO 17672	AWS	composition in wt%					melting range	base material	furnace atmosphere
			Ni	Cr	Si	B	other			
ML 4119	Ni 600	BNi-1	balance	14	4,5	3,1	4,5 Fe 0,75 C	980 - 1060 °C	steel, stainless steel, Ni-alloys	protective gas (H2), vacuum
ML 4127	Ni 610	BNi-1a	balance	14	4,5	3,1	4,5 Fe	980 – 1070 °C	steel, stainless steel, Ni-alloys	protective gas (H2), vacuum
ML 4121	Ni 620	BNi-2	balance	7	4,5	3,1	3 Fe	970 – 1000 °C	steel, stainless steel, Ni-alloys	protective gas (H2), vacuum
ML 4124	Ni 630	BNi-3	balance	-	4,5	3,1	-	980 – 1040 °C	steel, stainless steel, Ni-alloys	protective gas (H2), vacuum
ML 4125	Ni 631	BNi-4	balance	-	3,5	1,9	-	980 – 1070 °C	steel, stainless steel, Ni-alloys	protective gas (H2), vacuum
ML 4116	Ni 650	BNi-5	balance	19	10	-	-	1080 – 1135 °C	steel, stainless steel, Ni-alloys	protective gas (H2, H2+N2), vacuum
ML 4146	Ni 700	BNi-6	balance	-	-	-	11 P	875 °C	steel, stainless steel, Ni-alloys	protective gas (H2, H2+N2), vacuum
ML 442	Ni 710	BNi-7	balance	14	-	-	10 P	890 °C	steel, stainless steel, Ni-alloys	protective gas (H2, H2+N2), vacuum
ML 442a	-		balance	12	-	-	10 Cu 9 P	890 – 950 °C	steel, stainless steel, Ni-alloys	protective gas (H2, H2+N2), vacuum
ML 4109	Ni 612	BNi-9	balance	15	-	3,6	-	1055 °C	steel, stainless steel, Ni-alloys	protective gas (H2), vacuum
ML 4112	Ni 720	BN-12	balance	25	-	-	10 P	880 – 950 °C	steel, stainless steel, Ni-alloys	protective gas (H2, H2+N2), vacuum
ML 4613			balance	30	4	-	6 P	980 – 1060 °C	steel, stainless steel, Ni-alloys	protective gas (H2, H2+N2), vacuum