

Chemical Composition Limits

6060-18	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.38	0.16			0.35				
max.	0.42	0.18	0.03	0.06	0.40	0.03	0.03	0.02	0.01

6060-20	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.38	0.16			0.44				
max.	0.42	0.19	0.03	0.06	0.48	0.03	0.03	0.02	0.01

6060-30	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.36	0.17			0.41				
max.	0.42	0.25	0.03	0.06	0.46	0.03	0.03	0.02	0.01

6060-40	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.40	0.17			0.42				
max.	0.44	0.25	0.04	0.06	0.46	0.03	0.03	0.02	0.01

6060-80	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.45	0.17			0.50				
max.	0.50	0.25	0.04	0.06	0.55	0.03	0.03	0.02	0.01

6060-90	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.50	0.17			0.50				
max.	0.55	0.25	0.04	0.06	0.55	0.03	0.03	0.02	0.01

6060-B	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.38				0.45				
max.	0.43	0.35	0.10	0.10	0.53	0.10	0.03	0.02	0.01

6063-80	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.52	0.18			0.68				
max.	0.57	0.25	0.04	0.06	0.73	0.03	0.03	0.02	0.01

6063-B	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.41				0.52				
max.	0.43	0.35	0.10	0.10	0.56	0.10	0.03	0.02	0.01

6082-60	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.95	0.18		0.55	0.65		0.10		
max.	1.05	0.25	0.03	0.60	0.70	0.03	0.15	0.02	0.01

6082-90	Si	Fe	Cu	Mn	Mg	Zn	Cr	Ti	Pb
min.	0.95	0.18		0.90	0.75				
max.	1.00	0.25	0.03	0.95	0.80	0.03	0.03	0.02	0.01

Homogenization

Our integrated homogenization plant includes 3 heating and 2 cooling cabinet with a capacity 6500 MT/Month. We are using high technology equipments and software (Scada) for automatically handling billets for cutting, homogenizing and labeling/packaging. All the data is stored in our private servers and we are able to control, track and display each process online. We are calibrating heating and cooling units in every 6 months, temperature differentiation in the heating and cooling units is ± 5 oC, our integreted software system is controlling temperature flucrations and automatically adjusting cycle time, if any procedure is exceeds standard limits system rejecting the prodcuts by itself. With the help of the automatated changer, full charge of billets easily transferred from heating to cooling cabinet less than 5 minutes. Cooling cabinets have 16 Vantilators working with cooling speed of 380 °C/hr.

HOMOGENIZATION PERFORMANCE TABLE





