



Figures & Tables

Table 1: Original composition of Aluminum 7055 alloy

Element	Composition (%)
Al (Aluminum)	86.05
Cr (Chromium)	0.04
Cu (Copper)	2.45
Fe (Iron)	0.15
Mg (Magnesium)	2.3
Mn (Manganese)	0.05
Si (Silicon)	0.1
Ti (Titanium)	0.06
Zn (Zinc)	8.4
Zr (Zirconium)	0.4
Total	100

Table 2: Ideal proposed composition of Aluminum 7055 alloy

Element	Composition (%)	% Change
Al (Aluminum)	88.1	+ 2.05
Cr (Chromium)	0.04	+/- 0
Cu (Copper)	1.8	-0.65
Fe (Iron)	0.50	+ 0.35
Mg (Magnesium)	1.8	- 0.85
Mn (Manganese)	0	-0.05
Si (Silicon)	0.1	+/- 0
Ti (Titanium)	0.06	+/- 0
Zn (Zinc)	7.6	- 0.9
Zr (Zirconium)	0	- 0.4
Total	100.0	+/- n