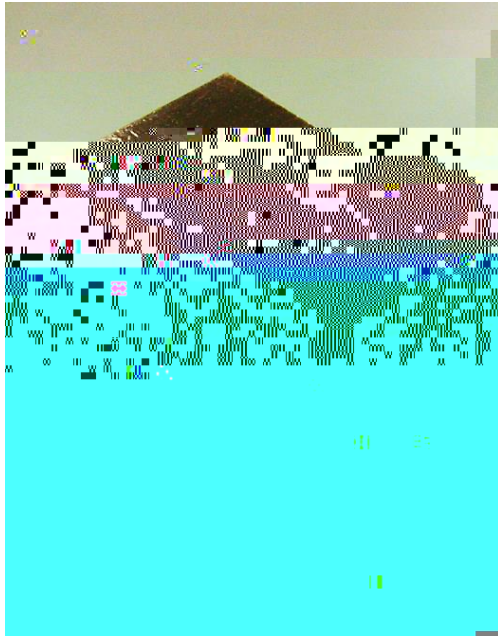


High Purity Metals



9N-Cu

Features of High Purity Metals

- 1) Improvement in conductivity
- 2) Improvement in corrosion resistance
- 3) Improvement in processing characteristics
(brittleness, ductility)
- 4) Improvement in controllability by additional elements
(magnetic properties, oxidation resistance, mechanical property)
- 5) Suppression of alpha emissions
- 6) Larger crystal grains
- 7) lowering the crystallization temperature

Examples of impurities (Cu)



6N-Cu, 9N-Cu

Impurity	6N-Cu	9N-Cu
Fe	0.002 ~ 0.03	<0.001
Ag	0.1 ~ 0.3	<0.005
Si	0.05	<0.005
Pb	<0.001	<0.001

Characteristics of Cu

- Higher reliability: Our Cu targets is made 6N-Cu.
- The highest purity for Cu is 9N (99.9999999%)