

Aluminium – the Most Abundant Metals

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FN-91

2020 year



Aluminum

Most abundant METAL in the earth's crust

8%
OF THE EARTH'S CRUST
IS ALUMINUM



Al

THE MOST POPULAR ALUMINUM COMPOUND

Alum



$XAl(SO_4)_2 \cdot 12H_2O$

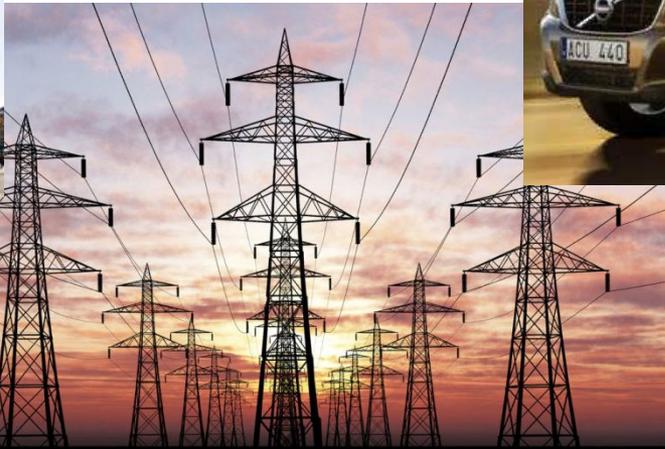
Aluminium oxide



Al_2O_3



USES OF ALUMINUM

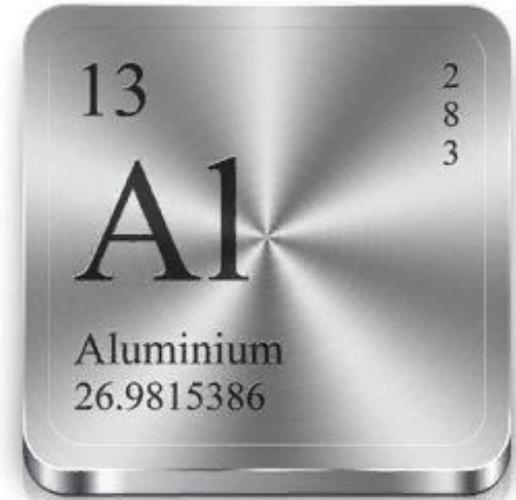


Physical Properties of Aluminum

DENSITY 26.9815 g / cm³,

MELTING POINT 1220 Fahrenheit

ATOMIC RADIUS of 143 pm

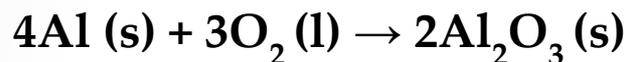


- ELECTRICAL CONDUCTIVITY
- THERMAL CONDUCTIVITY
- CORROSION RESISTANCE
- REFLECTIVITY
- PLASTIC

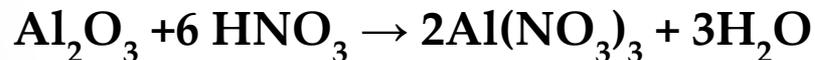
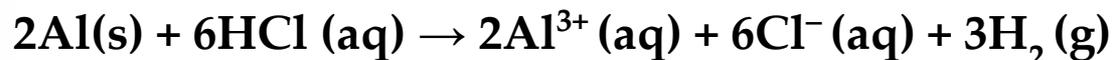


Chemical Properties of Aluminum

1. Reaction of Aluminium with Air



2. Reaction of Aluminium with Acids:



3. Reaction of Aluminium with Alkalis

