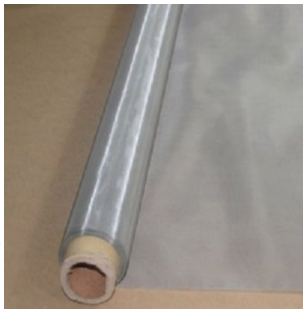
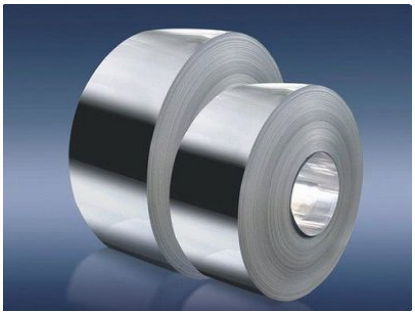
Uses of Silver

Silver is an attractive and significant component in the entire industries. For example, its application range varies from corrosion resistant electrical switches to chemical catalysts. Due to its excellent properties, its importance in the industrial applications cannot be ignored and it has a special role in the each sector of industry.

Silver contacts in switch panels are a standard in control panels in machines, chemical processes, railway traffic control and elevator buttons. Electric power is one of the major power sources in global industry and its distribution is based on silver contacts in electrical circuits.

Silver offers consistent performance at the elevated temperatures. For instance, batteries containing silver are the sole type that can perform in deep oil wells at the elevated temperatures. Silver is also used in radiography, photography, tableware, cutlery, jewelry, medicines, reflectants, chemical catalysts, coins, brazing and soldering, electroplating, superconductors, coins, solar energy equipments, water purification, coins and medicines.

Physical Properties of Silver

Melting Point	1235.1 K or 962 oC
Specific Gravity	10.5
Hardness	2.5
Density	10.5 g/cm3
Boiling point	2428 K or 2155 oC
Specific heat capacity	0.235 J/g/K
Thermal conductivity	429 W/m/K
Electrical conductivity	63 x 10 (6) S/m

Available Forms

Wire, Strip, Foil, Wiremesh