Playing a Key Role

For vital infrastructure

PVC siding
PVC is an ideal material for durable products that require a long useful life. It is used for home construction materials, such as exterior siding.

Polyvinyl Chloride

The world’s largest manufacturer of PVC, a material indispensable to infrastructure and daily lives

PVC is a widely used commodity plastic resin with outstanding physical properties, ease of processing and economic merits, such as lower cost compared to other plastics. It has many applications that are essential to people’s daily lives. These include infrastructure components such as water and sewage pipes, construction materials and household products.

The Shin-Etsu Group started overseas PVC operations more than half a century ago, and has plants in the U.S., Europe and Japan. We are the world’s largest manufacturer of this material, with an annual PVC production capacity of 3.84 million tons.

Demand for PVC is continuing to grow worldwide. In emerging countries, infrastructure projects are driving growth. In developed countries, growing awareness of energy conservation is increasing demand for PVC window frames and similar products which reduce CO₂ emissions.
Silicon wafers are vital to the production of semiconductor devices, which are used in products such as PCs, mobile phones, and digital home appliances. With restless advancement of technology, high integration and high functionality of these devices have led electronic products to be smaller and more innovative in recent decades. The evolution of smartphones is an example.

The Shin-Etsu Group has production facilities in Japan, Malaysia, Taiwan, the U.S. and the U.K to serve our customers worldwide. As the world’s leading manufacturer of silicon wafers, we have played a key role in the evolution of semiconductor devices through the development of larger diameter wafers and super flat wafers. For 300mm wafers, the most widely used size of wafers today, we have four supply locations in Japan and the U.S. providing a stable supply of high quality wafers to our customers.
Playing a Key Role

For cosmetics

Cosmetics
Silicones make cosmetics comfortable to use by preventing makeup deterioration due to sweat and improving oil resistance. Silicones are used in a variety of cosmetics, including emulsions, creams, lipsticks, foundations and eye shadows.

Silicones

Advanced development to create products for a variety of applications in various fields from one diverse material

Silicones can be produced in various physical forms, such as an oil, resin or rubber. This highly functional material is used in a diverse array of applications.

The Shin-Etsu Group develops unique products and technologies with knowledge gained from 60 years of experience in the silicones business. Currently, we supply more than 5,000 types of silicone products. They are sold to companies that manufacture computers, mobile phones, automobiles, construction materials, chemicals, cosmetics and more. With silicones at use in so many industries, this business continues to grow regardless of the performance of any particular market. That continuous growth produces stable earnings for the Shin-Etsu Group.
For hybrid vehicles

Hybrid vehicles
In hybrid and electric vehicles, the motor affects both fuel efficiency and driving performance. Rare-earth magnets in hybrid vehicle motors help conserve energy by lowering motor weight and conserving fuel.

Rare-Earth Magnets

Producing rare-earth magnets from raw materials to contribute to environmentally friendly products

Small yet powerful, rare-earth magnets are a key component in automobiles, home appliances and digital electronics. They are also used in the generators of wind power turbines, an environmentally friendly energy source.

The Shin-Etsu Group has the world’s only comprehensive production system, which starts with the refinement of rare earth and ends with finished magnets. At each production stage, we use our advanced technologies to supply high-quality magnets. Furthermore, we are a global leader in technological innovation and mass production. For example, we have developed an exclusive production method that reduces the amount of heavy rare earths in magnets without affecting performance.
Playing a Key Role

For various industries

Other Materials

Materials that are used in various industries

We supply basic materials for a diverse array of household and industrial applications. These include a variety of materials for LEDs (lenses, packaging materials, reflecting materials, etc.) in the consumer products field and preforms for optical fiber in the communications field. In the health care field, our cellulose derivatives are used for pharmaceutical coatings and binders for tablets and granules. In the agricultural field, we supply synthetic pheromones, which are used as a mating disruption agent for specific insects.