



# Corporate Brochure 2023

## Corporate Mission Statement

**The Group strictly complies with all laws and regulations, conducts fair business practices and contributes to the development of industry and society with technologies and products that create value.**

Shin-Etsu Polymer was established in 1960 as a manufacturer of polyvinyl chloride (PVC) products. Since then, we have developed applications using silicone and various plastics for our fundamental technologies involving materials and compounding, design, molding processes, and evaluation and analysis. As a manufacturer of molded plastic products, we meet diverse customer needs in a wide array of fields from automobiles and information devices to semiconductors and construction materials.



## We will take on the challenge of creating new value and achieve sustainable growth together with society.

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Shin-Etsu Polymer started out in 1960 as a resin processing subsidiary of the Shin-Etsu Chemical Group. We develop raw materials with the Shin-Etsu Chemical Group and then apply our integrated technological capabilities for molding processes to provide high-value-added products using silicone rubber and various plastics. In addition, we meet a wide range of customer needs in areas such as automobiles, semiconductor-related products, information devices, office automation equipment, medical equipment, living materials, and construction-related products.

In May 2023, we announced our new medium-term management plan, Shin-Etsu Polymer Global & Growth 2027. We will maximize the value of our diverse products and technological capabilities to further accelerate sustainability initiatives.

While responding appropriately to our rapidly changing business environment, we will take on the challenge of creating new value, deepen the trust of our stakeholders, and help to realize a sustainable society.

We are counting on the continued support and understanding of our stakeholders.

July 2023



*Yoshiaki Ono*

Yoshiaki Ono  
Chairman and  
Chief Executive Officer

*Toshiaki Deto*

Toshiaki Deto  
President and  
Chief Operating Officer



We support daily life and industry through the various products we have developed using the technological strengths we have cultivated over many years.



## Product Information



### Automobiles

Our automotive input devices have continued to earn customer trust, and we are targeting expansion in new businesses and markets by proposing an array of products including interior and exterior components and functional materials.



### Medical & Chemical Products

We provide catheter tubes and other medical products based on our unique silicone processing and compounding technologies. Our products address needs in the medical field and promote health consciousness.



### Semiconductors & Electronic Components

We leverage our technological strengths in precision molding, evaluation and design to provide wafer containers, embossed carrier tapes and other semiconductor-related packaging and carrying materials. As the leading supplier of semiconductor-related wafer containers, Shin-Etsu Polymer maintains a large share of the markets for front-opening shipping boxes ("FOSB") and front-opening unified pods ("FOUP").



### Packaging

We offer various items that are an integral part of daily life such as food wrapping films. Film products with additional functionality such as antibacterial properties and color variations meet food safety and security needs.



### Information Devices

Interconnectors based on our analysis technologies and material technologies for silicone rubber as well as our composite and high-precision printing technologies have earned an excellent reputation for meeting needs for connections in electronic devices, which are becoming smaller and thinner.



### Office Equipment

We provide rollers that use the world's highest level of conductivity control technology and foaming technology. We also deploy our unique compounding and precision molding technologies to provide the functions required in various components.



### Construction & Infrastructure Maintenance Materials

Our pipes, corrugated sheets and other construction materials are used in all aspects of daily life. Our easy-to-use, long-lasting silicone maintenance materials contribute to the upkeep of social infrastructure.



### Materials

Our conductive polymers and low-friction compounds contribute to the advancement of industry and people's lives around the world. We combine the unique material compounding technology and processing expertise we have cultivated over many years to meet the new needs of customers.



Electronic Devices Business

 **Automobiles**

**Our automotive input devices continue to earn customer trust by meeting high expectations, and have an excellent reputation in the industry.**

We are aiming for business expansion by offering solutions such as automotive input devices and display device products. In automotive key switches, we have continued to earn customer trust over many years by meeting expectations, and have an excellent reputation in the industry.

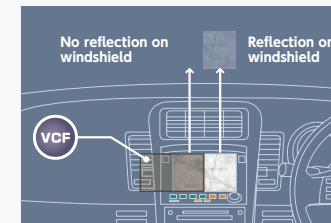
We supply touch switches that use the capacitance method. They incorporate our high-precision printing technology—using our proprietary transparent conductive polymer as an electrode to meet customer needs for new input devices. Targeting expansion in new businesses and markets, we also propose development of other display-related products.



**Key switches**  
Remote keyless entry



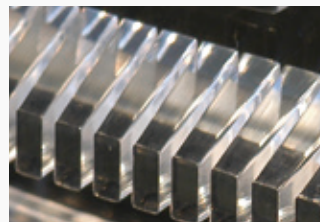
**Pressure-sensitive touch switches**  
Our touch sensors for steering switches combine touch and pressure detection. Our transparent electrodes also enable illumination.



**Field of view/light path control films ("VCF")**  
Anti-reflective film for navigation screens



**Silicone rubber for wiper blades**  
Automotive wiper blades using our original silicone molding technologies



**LED light guide**  
Silicone lens for LED headlights made by processing highly transparent silicone rubber using ultraprecision molding technology



**Automotive input devices**

- ① Audio/navigation display
- ② Steering switch
- ③ Center console switch
- ④ Engine start/stop switch
- ⑤ Electronic shifter switch  
Electric parking brake switch  
Haptic switch
- ⑥ Seat memory switch
- ⑦ Power window switch



## Information Devices

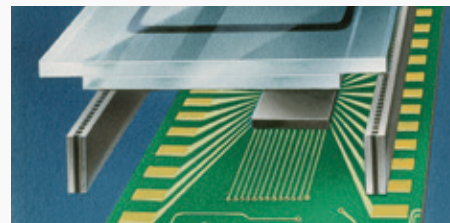
**By adding printing technology and composite technology to our core technologies developed for interconnectors, we can offer distinctive products in a variety of fields.**

Based on analysis technologies and material technologies for silicone rubber, which has various unique attributes, our interconnectors are widely used in connections for LCDs, and as connectors for electronic devices. By adding printing technology to our molding technology and composite technology with different materials, we are able to develop a variety of unique products. These products have an excellent reputation for simplicity and reparability to meet needs for connections in electronic devices, which are becoming smaller and thinner.



### **Electronic part inspection connectors**

A metal wire positioned at an angle on silicone rubber offers high durability and high cycle transmission during inspection of electronic components and semiconductor devices.



### **Connectors for LCDs**

As an alternative to soldering, our connectors are used for connecting LCDs to PC boards.



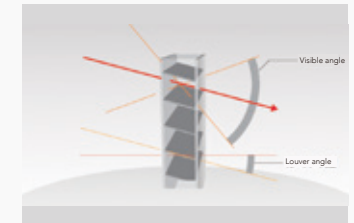
### **Touch switches**

Our sensor switches that use the capacitance method also use our proprietary transparent conductive materials. We achieved total luminous transmittance of 80%, enabling backlight illumination. Our sensor switches are thin and light as well as pliable.



### **Touch pads**

A capacitive film force sensor based on high-precision printing technology. Used mainly for laptop trackpads, etc.



Field of view/light path control films ("VCF") meet the diverse requirements of the LCD and sensor markets.





## Precision Molding Products Business

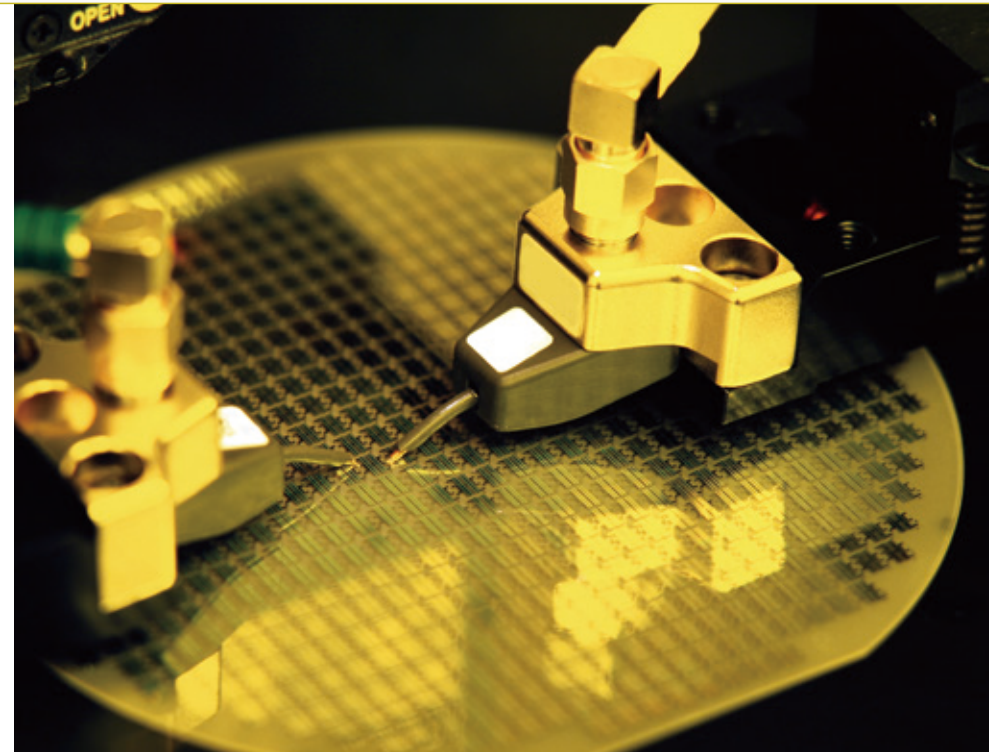
### Semiconductors & Electronic Components

**We provide semiconductor-related packaging and carrying materials created using world-leading technologies in areas including materials development, precision molding, and evaluation.**

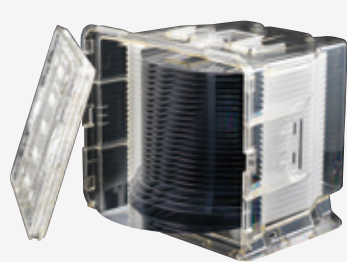
Wafer manufacturers use front-opening shipping boxes ("FOSB") for wafers, and device manufacturers use front-opening unified pods ("FOUP") to hold wafers during process handling. Our products are known for their high quality and reliability. Evaluation technologies, clean environment control technologies, precision molding technologies, and design technologies that accurately meet sophisticated customer requirements are technological strengths of Shin-Etsu Polymer.

Embossed carrier tape can handle surface mounting on the substrate for various electronic devices, including ultra-small chip devices, large-scale semiconductors, and connectors for mobile devices or components in automobiles that must be reliable. Our various top cover tapes have an excellent market reputation because we can match virtually any application to enable reliable surface mounting on the substrate.

We have also developed 4mm-wide, 1mm-pitch embossed carrier tape for the ultra-small ceramic capacitors (0201M, 0402M) used in smartphones and other high-performance mobile devices. This product has a strong reputation for clean-surface mounting and reduced plastic usage.



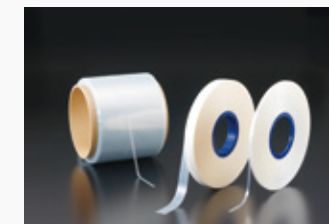
**Front-opening unified pods ("FOUP")**  
Pods used by semiconductor device manufacturers to hold wafers during clean-room fabrication processes. As the trend toward miniaturization continues, we will meet the needs of the semiconductor industry by providing containers that ensure a clean production environment.



**Front-opening shipping boxes ("FOSB")**  
Boxes used for shipping silicon wafers to semiconductor device manufacturers



**Embossed carrier tape  
"Shin-Etsu Carrier Tape"**  
Tape used for mounting electronic components and semiconductor devices on substrates



**Top cover tapes  
"Shin-Etsu Top Cover Tape"**  
This product provides protection against static electricity for electronic components and semiconductor devices that are used and mounted together with carrier tape.



**"Shin-Etsu Lightframe®"  
plastic tape frame**  
A light ring frame that reduces conductive particles generated during different processes and improves package reliability





## Medical & Chemical Products Office Equipment

Applying our unique processing and compounding technologies, we develop various silicone rubber products used in a range of fields, including medical equipment, and supply them to markets worldwide.

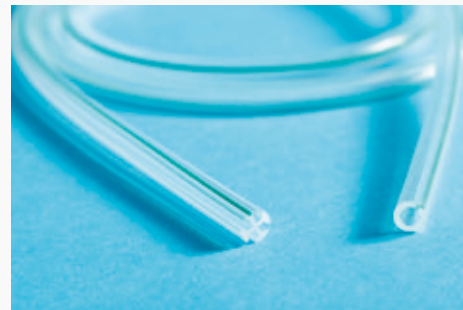
In the Medical & Chemical Products business, we use advanced materials to offer solutions based on our unique silicone processing technology in response to requests from medical equipment manufacturers worldwide.

We also deploy our unique compounding and precision molding technologies in silicone rubber roller products used in office equipment to provide the functions required in various components.



### Catheters

Our stable mass production system supplies two types of products—those for draining urine and other body fluids and those for providing nutrition—for urinary, nutritional administration, gastric fistula and other applications.



### Variable drainage tubing with contrast agent line

This tubing features different cross-section shapes at each end, and a contrast agent line made with two-color extrusion molding technology and variable extrusion technology that molds the tube while continuously changing its configuration.



### Tubing for biopharmaceutical manufacturing

This tubing has passed various domestic and international compatibility tests including USP and ISO, and can be used with confidence in biopharmaceutical manufacturing facilities. In addition, we have structured a stable supply system by handling everything in Japan, from raw material procurement to production and sales.



### OA rollers

We provide OA rollers that use the world's highest level of conductivity control technology and foaming technology.



## Housing and Living Materials Business

### Construction Materials

**We offer various construction and infrastructure maintenance materials using our proprietary compounding and processing technologies for PVC resin and silicone.**

We provide highly reliable products based on integrated production using compounding and extrusion molding technologies that we have developed over many years. Construction materials made of PVC resin and silicone are used in a variety of ways in our daily lives.



#### Plastic corrugated sheets

Taking advantage of the properties of plastics, our polycarbonate and PVC corrugated sheets allow plenty of light, offer durability and excellent workability, and are light weight and stylish.



#### Water pipe and fittings / Sewage pipe and fittings / Drainage pipe and fittings

Using the compounding and extrusion molding technologies we have developed over many years, we provide PVC pipes and fittings for various fields, including water supply, sewage and agriculture.



#### Sealants

We offer a broad lineup of sealants for use in buildings as bonding, sealing and repairing agents.



#### "AgriPutty Aqua"

An epoxy resin filler developed for use in irrigation construction

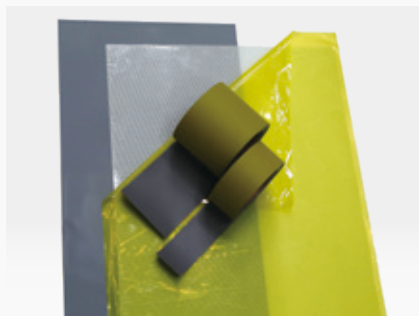




## Infrastructure Maintenance Materials

**We offer easy-to-install, long-lasting products to support the maintenance and repair of infrastructure that is an integral part of daily life.**

We develop and manufacture infrastructure maintenance materials to address social issues such as the ongoing aging of infrastructure and the associated issue of extended service life. Silicone products are ideal as maintenance materials because they are suitable for complex configurations, offer high resistance to weather and vibration, and can be used in a wide range of temperatures.



### **"Silico Sheet AD"**

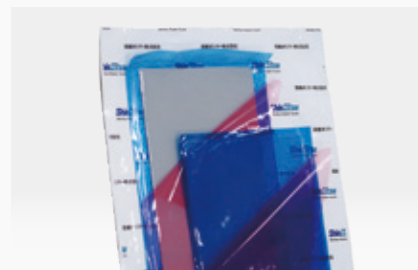
A waterproof silicone adhesive sheet for use in construction and civil engineering



### **"Polymer-Multi Tape"**

#### **"Polymer-Multi Tape STRONG"**

Our multi-purpose tape is suitable for a variety of applications, including for the prevention of water leaks, metal corrosion and slippage as well as for binding and insulation coating. The silicone used in this product ensures long-lasting performance thanks to its excellent weather resistance.



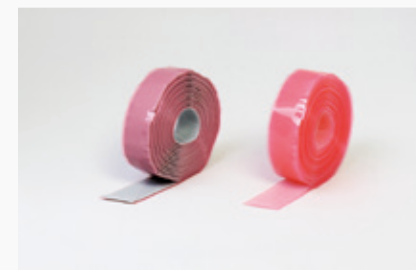
### **"Polymer-Ace UG"**

An adhesive sheet that easily forms a high-performance silicone film even on complicated shapes



### **"Silico Putty"**

This versatile putty can be applied and peeled off, and can be used for a variety of purposes, such as filling pinholes and gaps between pipes and joints. Its adhesive strength is similar to clay.



### **"Polymer-Ace PA"**

A tape-like silicone adhesive that is easily applied, for example by using it to cover cracks in concrete to keep out water and other foreign substances



## Housing and Living Materials Business




## Packaging

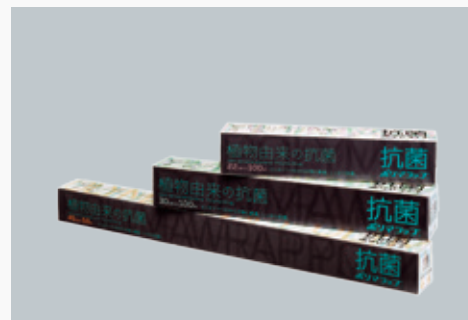
**We provide wrapping films and other PVC resin-based products used in daily life.**

In addition to our core products of commercial food wrapping films used in supermarkets and elsewhere, many professional chefs at restaurants and hotels use “Polyma-Wrap®” and “KitcheNista Wrap” because of their excellent stretchability and adhesion. We also develop products that reduce environmental impact in ways such as by helping to reduce waste and household trash.



### “Polyma-Wrap®” Wrap-Film

Launched about 50 years ago, our PVC wrap is widely used at supermarkets and fresh food retailers, mainly for wrapping food trays.



### Plant-derived antibacterial “Polyma-Wrap®”

A new antibacterial wrapping film that uses an environmentally responsible plant-derived antibacterial agent. The product enhances kitchen hygiene by suppressing the growth of bacteria on the surface of the wrap.



### “KitcheNista Wrap”

We offer unique products such as “antivirus and antibacterial wrap” to meet needs for food safety and security, “antibacterial blue” to help prevent foreign material contamination, and “antibacterial red” that can be used for purposes such as managing stock rotation and expiration dates, as well as for differentiating between raw and ready-to-eat foods.



### “Pop Wrap”

A biaxially oriented polypropylene (OPP) film product that wraps around the outside of plastic containers, and features a self-adhesive seal on the back.



### Biodegradable “Runner Clip”

This convenient clip made from biodegradable materials is used for fixing items to the ground, and is suitable for applications such as strawberry cultivation. Being biodegradable, it naturally decomposes in the soil, making retrieval unnecessary.



## Materials

**We apply the unique material compounding technology and processing expertise we have cultivated over many years to meet the new needs of customers.**

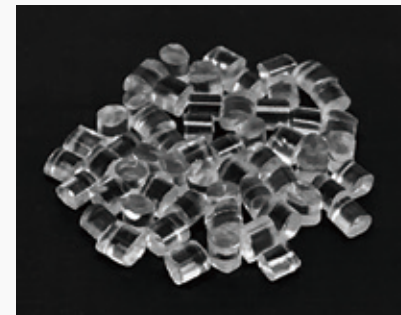
Through research and development that integrates Shin-Etsu Polymer's compounding technologies and processing expertise, we make proposals to meet the new needs of customers. We use the diverse characteristics of our unique conductive polymers, functional films and other materials to continue to steadily expand applications and contribute to the advancement of industry and people's lives around the world.



**Conductive polymer "SEPLEGYDA®"**  
"SEPLEGYDA®" was developed with our proprietary formulation technology. It is widely used in applications such as antistatic coating of optical films for flat panel displays and as an additive in hybrid capacitors.



**Low-friction compound "EXELAST®"**  
Created through the even dispersion of silicone onto plastics using special compounding and mixing technologies, "EXELAST®" is able to improve initial and long-term sliding characteristics, and reduce noise and friction.



**High-durability compound "FASKAR®"**  
We developed this thermoplastic molding material using advanced compounding technology and efficient dispersion kneading technology for different materials. This new material has many applications. It facilitates design because it is easy to process and mold in various ways. It is also highly durable, and features scratch and flame resistance. Transparent and colored versions are available.



**High-performance engineering plastic film "Shin-Etsu Sepla Film®"**  
"Shin-Etsu Sepla Film®" is a series of films made with PEEK, a super engineering plastic, and other materials. It has been acclaimed for its acoustic and fatigue characteristics, and is widely used in applications such as smartphone speaker diaphragms. We are also working to broaden its use in other applications that require properties such as heat resistance and chemical resistance.



## Shin-Etsu Polymer's Strengths

Since our establishment in 1960, we have partnered with leading-edge multinational companies to address a wide array of needs, drawing on our wide-ranging portfolio of technological capabilities developed over many years as a manufacturer of molded plastic products. Aiming for sustainable growth together with society, we continue to take on the challenge of creating new value through our technologies and products. We provide high-value-added products in markets ranging from automobiles to semiconductors and medical equipment.

### Comprehensive Strengths of the Shin-Etsu Group

The Shin-Etsu Polymer Group collaborates with the Shin-Etsu Chemical Group, integrating Group strengths ranging from materials development to processing.

### Technological Strengths as a Manufacturer of Molded Plastic Products

We develop applications for our core technologies using silicone and various plastics, and provide high-value-added products that utilize our sophisticated technologies.

### Ability to Meet Global Needs

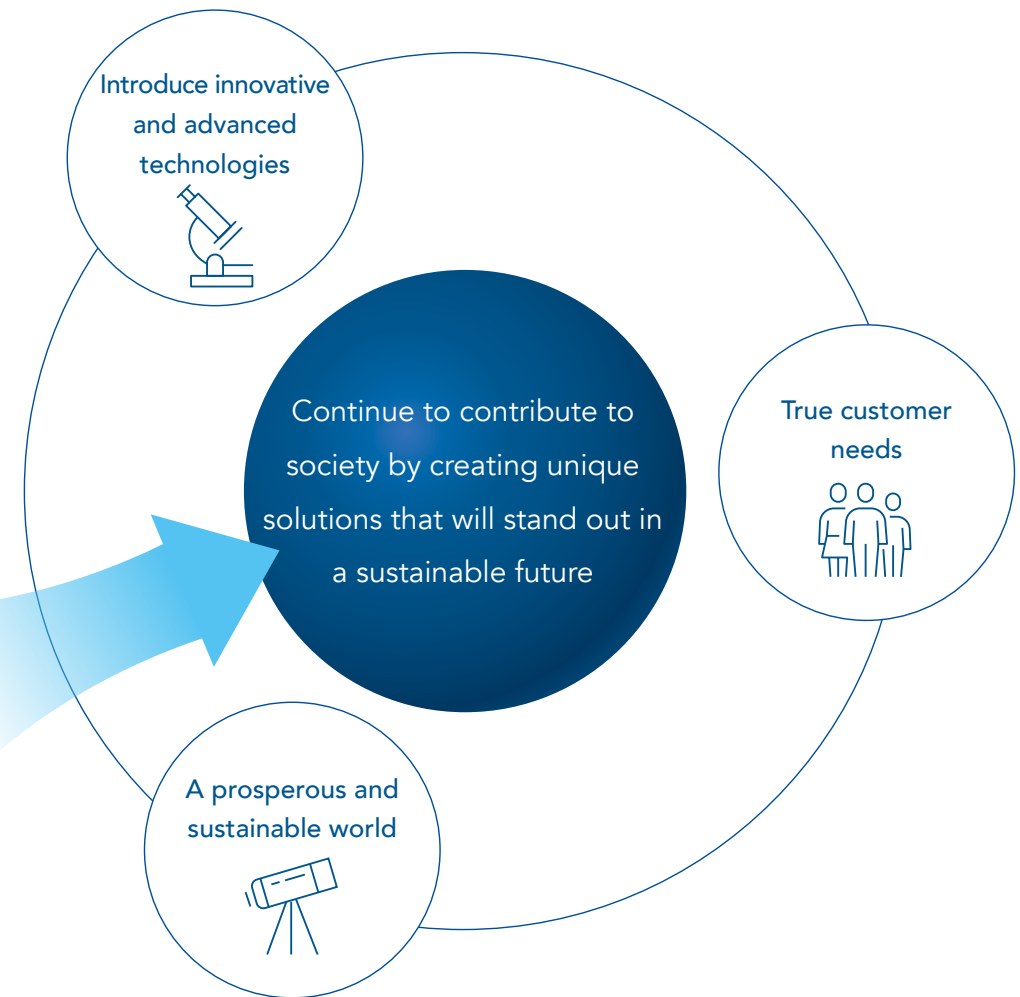
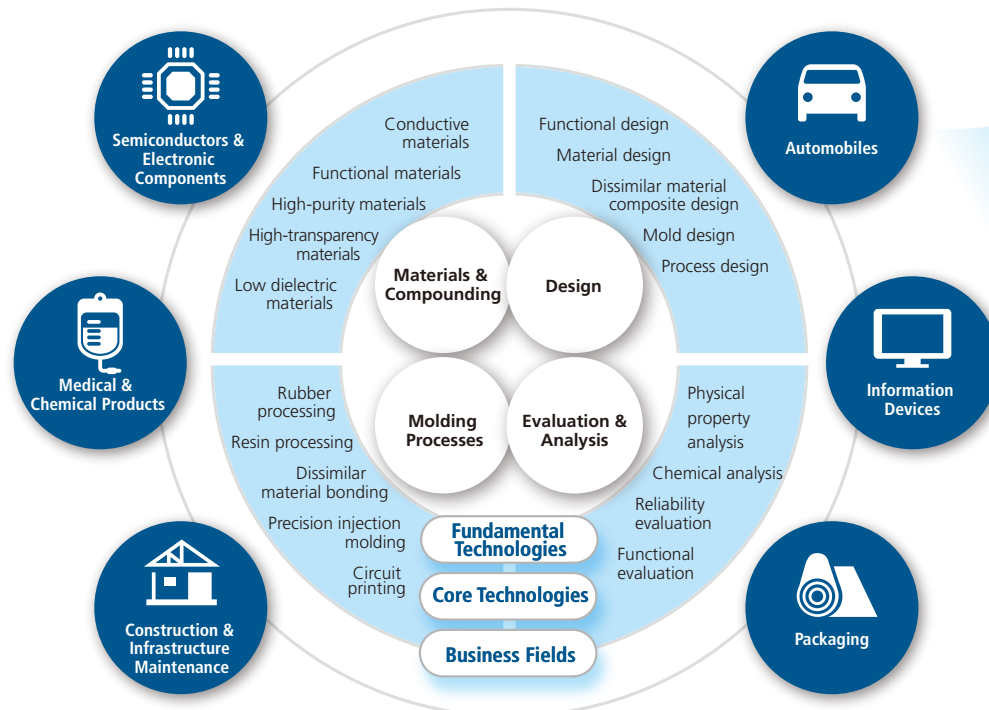
We use our network covering Japan, Europe, North America and Asia to produce and sell products that meet the diverse needs of customers in a wide range of business fields.



# Technological Advances and R&D

At the heart of Shin-Etsu Polymer's technological development are fundamental technologies involving materials and compounding, design, molding processes, and evaluation and analysis. Key materials include silicone rubber, plastics and conductive materials. Based on these key materials and by conducting multifaceted development of the core technologies we have cultivated over many years, we create and provide high-value-added products that meet diverse customer needs in a wide range of fields.

In addition, we conduct R&D with the aim of quickly creating the value that customers want. We promote the competitiveness of existing products and the development of next-generation businesses by cultivating fundamental technologies and by expanding and evolving core technologies.



Considering the environment and diversity of society of the future, we will create products that are environmentally responsible and good for people.

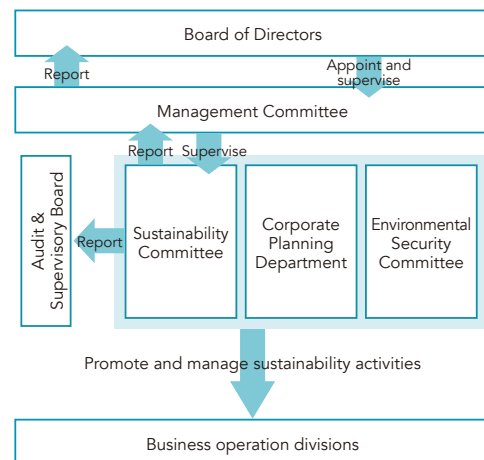
# Sustainability

The Shin-Etsu Polymer Group has established a Basic Sustainability Policy to contribute to a sustainable society through its business activities, and aspires to continue to grow with society based on effective sustainability management.

## Basic Sustainability Policy

- 1 We will do our best to increase the Group's corporate value through sustained growth and make multifaceted contributions to society.
- 2 We will carry out all activities with safety as our top priority.
- 3 We will develop and expand businesses that contribute to the reduction of GHG emissions.
- 4 We will maximize the efficiency of product development and manufacturing and contribute to improving the efficiency of society by providing reliable products.
- 5 We will conduct our business activities in harmony with the global environment while taking biodiversity into consideration.
- 6 We will strive to respect human dignity, assure equality in employment opportunities and support the self-fulfillment of our employees.
- 7 We will appropriately disclose information in a timely manner.
- 8 We will carry out trustworthy corporate activities that are based on the integrity of the Group's ethical values.

## Sustainability Structure

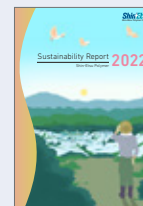


Shin-Etsu Polymer uses its Sustainability Report to present Group initiatives aimed at helping realize a sustainable society.

We are focusing on information disclosure as part of our efforts to help create a recycling-oriented economic society with the potential for continued growth.



<https://www.shinpoly.co.jp/en/sustainability/report.html>



## Sustainability Assessment

We were awarded the Bronze Medal in a sustainability assessment by EcoVadis in 2023, marking the fourth consecutive year that we were awarded a medal since we began participating in the assessment.

## Key Sustainability Issues



# Network Overseas Bases

● Production base  
● Sales base



**Shin-Etsu Polymer Europe B.V.**  
Location: The Netherlands  
Established: June 1986



**Dongguan Shin-Etsu Polymer Co., Ltd.**  
Location: China  
Established: April 2011



**Shin-Etsu Polymer Hong Kong Co., Ltd.**  
Location: China (Hong Kong)  
Established: July 2005



**Suzhou Shin-Etsu Polymer Co., Ltd.**  
Location: China  
Established: October 1993



**Shin-Etsu Polymer Shanghai Co., Ltd.**  
Location: China  
Established: January 1999



**Shin-Etsu Polymer Hungary Kft.**  
Location: Hungary  
Established: October 2003



**Shin-Etsu Polymer Taiwan Co., Ltd.**  
Location: Taiwan  
Established: June 2022



**Shin-Etsu Polymer America, Inc.**  
Location: United States  
Established: February 1981



**Shin-Etsu Polymer Singapore Pte. Ltd.**  
Location: Singapore  
Established: August 2005



**Shin-Etsu Polymer India Pvt. Ltd.**  
Location: India  
Established: October 2007



**Shin-Etsu Polymer (Thailand) Ltd.**  
Location: Thailand  
Established: February 2014



**Hymix Co., Ltd.**  
Location: Thailand  
Established: October 1990



**Shin-Etsu Polymer Vietnam Co., Ltd.**  
Location: Vietnam  
Established: February 2016



**PT. Shin-Etsu Polymer Indonesia**  
Location: Indonesia  
Established: November 1997



**Shin-Etsu Polymer (Malaysia) Sdn. Bhd.**  
Location: Malaysia  
Established: October 1988





# Network Domestic Bases

● Production base  
● Sales base



Shiojiri Plant

Location: Shiojiri-shi, Nagano  
Established: December 1973



Itoigawa Plant

Location: Itoigawa-shi, Niigata  
Established: January 1974



Kodama Plant

Location: Kodama-gun, Saitama  
Established: April 1989



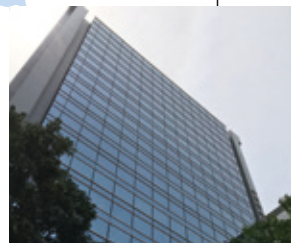
Fukuoka Branch

Location: Fukuoka-shi, Fukuoka



Nanyo Plant

Location: Shunan-shi, Yamaguchi  
Established: April 1970



Osaka Branch

Location: Osaka-shi, Osaka



Nagoya Branch

Location: Nagoya-shi, Aichi



Head Office

Location: Chiyoda-ku, Tokyo



KitcheNista Co., Ltd.

Location: Chikusei-shi, Ibaraki  
Established: August 2021



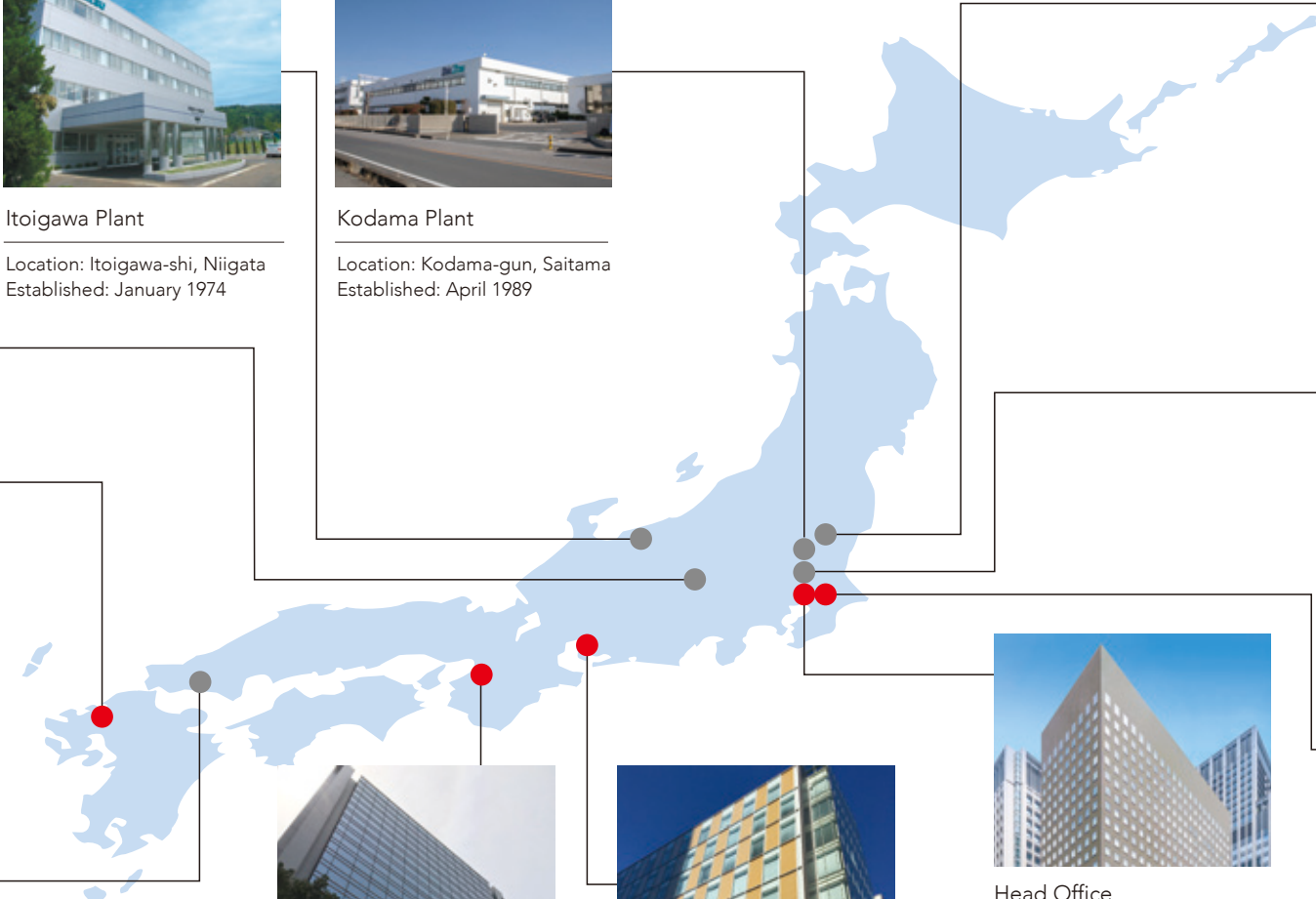
Tokyo Plant

Location: Saitama-shi, Saitama  
Established: April 1961



Shin-Etsu Finetech Co., Ltd.

Location: Taito-ku, Tokyo  
Established: November 1972



# Company Profile (As of June 23, 2023)

Company Name	Shin-Etsu Polymer Co., Ltd.
Head Office	Ote Center Building, 1-1-3 Otemachi, Chiyoda-ku, Tokyo, Japan
Representative	President and Chief Operating Officer Toshiaki Deto
Established	September 15, 1960
Main Businesses	Production and sales of products primarily made of PVC resin and silicone rubber in a wide range of business fields from the focal area of electric and electronic equipment to construction.
Paid-in Capital	¥11,635 million
Stock Listing	Tokyo Stock Exchange, Prime Market
Subsidiaries	17
Number of Employees <small>(As of March 31, 2023)</small>	4,706 (Consolidated), 1,005 (Non-consolidated)
Website	<a href="https://www.shinpoly.co.jp/en">https://www.shinpoly.co.jp/en</a>

## Management Team

### Directors

Chairman and Chief Executive Officer	Yoshiaki Ono
President and Chief Operating Officer	Toshiaki Deto
Director and Managing Executive Officer	Satoru Sugano
Outside Director	Shigemichi Todoroki
Outside Director	Osamu Miyashita

### Audit & Supervisory Board Members

Full-Time Audit & Supervisory Board Member	Hideaki Hirasawa
Full-Time Audit & Supervisory Board Member	Yoshiaki Torimaru
Outside Audit & Supervisory Board Member	Tatsuo Yoshihara
Outside Audit & Supervisory Board Member	Tomoko Moriya

### Executive Officers

Managing Executive Officer	Yasushi Shibata
Executive Officer	Naoki Kobayashi
Executive Officer	Kan Ishihara
Executive Officer	Mitsuo Sato
Executive Officer	Masato Takahashi
Executive Officer	Osamu Kowada
Executive Officer	Hiroto Komatsu
Executive Officer	Kazuhiko Yamamoto

## Brief History

<b>1960</b>	Shin-Etsu Polymer Co., Ltd. established as a wholly owned subsidiary of Shin-Etsu Chemical Co., Ltd.
<b>1961</b>	Tokyo Plant completed
<b>1970</b>	Nanyo Plant completed
<b>1983</b>	Listed on Second Section of Tokyo Stock Exchange (TSE)
<b>1985</b>	Listed on First Section of TSE R&D Center completed
<b>1988</b>	New corporate identity initiated for Shin-Etsu Group (then 81 companies)
<b>2002</b>	Company reorganized from 7 to 3 business units
<b>2005</b>	Established Shin-Etsu Polymer Hong Kong Co., Ltd. and Shin-Etsu Polymer Singapore Pte. Ltd.
<b>2007</b>	Established Shin-Etsu Polymer India Pvt. Ltd.
<b>2011</b>	Established Dongguan Shin-Etsu Polymer Co., Ltd.
<b>2012</b>	Merger of Shin-Etsu Finetech Co., Ltd. and Shin-Etsu Unit Co., Ltd. Established Technology Development Unit
<b>2014</b>	Established Shin-Etsu Polymer (Thailand) Ltd. Abolished business unit-based organization and reorganized into a function-based organization
<b>2016</b>	Established Shin-Etsu Polymer Vietnam Co., Ltd. Reorganized the Technology & Production Unit into the Development Unit and the Production Unit
<b>2017</b>	Shin-Etsu Polymer Co., Ltd. merged with Shinano Polymer Co., Ltd., Niigata Polymer Co., Ltd., Urawa Polymer Co., Ltd. and SAN-ACE Co., Ltd.
<b>2019</b>	Made Hymix Co., Ltd. a subsidiary
<b>2021</b>	Made KitcheNista Co., Ltd. a subsidiary
<b>2022</b>	Established Shin-Etsu Polymer Taiwan Co., Ltd.



Ote Center Building, 1-1-3 Otemachi,  
Chiyoda-ku, Tokyo, Japan

Printed in Japan with environmentally friendly vegetable ink on paper made from certified forest-conscious materials.  
First edition 8/2023 700.LCI