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The Leading ABS Producer & Solution Provider In Japan

Company Overview

Aiming Excellence in the 21st Century

Company Overview

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| Date of establishment | : July 1, 1996 |
| Capital | : ¥3 billion |
| Number of employees | : approx. 300 |
| Production capacity | : ABS 250 thousand tons a year AS, AES 30 thousand tons a year |
| Shareholders | : 100% JSR Corporation |
| Annual revenues | : approx. ¥50 billion |

Board of Directors

| | |
|--------------------|--------------------|
| President | : Tomokazu Ito |
| Director | : Shunji Ota |
| Director | : Kazuki Iwai |
| Auditor(Full-time) | : Yoichi Kamoshida |

Corporate History

- March 1961 : AS resin production starts at Mitsubishi Monsanto Kasei Co., Ltd., a joint venture between Mitsubishi Kasei Corporation (now Mitsubishi Chemical Corporation) and Monsanto U.S.A. (now Solutia U.S.A.), at Yokkaichi.
- May 1966 : ABS resin production starts at Mitsubishi Monsanto Kasei Co., Ltd. at Yokkaichi.
- October 1966 : ABS resin production starts at Japan Synthetic Rubber Co., Ltd. (now JSR Corporation) at Yokkaichi.
- January 1994 : Monsanto U.S.A. sold its capital in Mitsubishi Monsanto Kasei Co., Ltd.
- October 1994 : Mitsubishi Monsanto Kasei Co., Ltd. is reorganized as a part of the polymer business of Mitsubishi Chemical Corporation.
- July 1996 : Techno Polymer Co., Ltd. is established by JSR Corporation and Mitsubishi Chemical Corporation.
- October 1996 : Techno Polymer Co., Ltd. starts operation.
- April 1998 : Techno Polymer Co., Ltd. takes over the production facilities of both JSR Corporation and Mitsubishi Chemical Corporation.
- October 2002 : Techno Polymer Co., Ltd. acquires the ABS resin business of KANEKA CORPORATION.
- April 2009 : Techno Polymer Co., Ltd. became a fully-owned subsidiary of JSR Corporation.

Business Activities

- *Manufacturing, processing and sales of Styrenic Resins (ABS, AS, ASA, AES, and other polymer alloys)
- *Research and development of Styrenic Resins (ABS, AS, ASA, AES, and other polymer alloys)
- *Technical services

Technology for Speciality Products

The specialty products of Techno Polymer are not simply a lineup of products. They create and deliver satisfaction to customers by adding value in terms of quality and services.

Various Production Technologies and Unique Product Quality

Integrating technologies developed by both JSR Corporation and Mitsubishi Chemical Corporation over a quarter of a century, Techno Polymer has created ABS production technologies that cover a broad range of radical polymerization: emulsion, suspension, block-suspension, bulk-solution, and continued block. This wide variety of ABS production technologies allows us to not only develop unique polymers but also spells a potential to create higher performance ABS products by fusing them with different technologies. Our ABS production technologies have outstanding flexibility.

Utilizing flexible product design and various production technologies, Techno Polymer is well positioned to supply the right products at the right time in response to the changing requirements of customers.

Wide Range of Outstanding, Cost-competitive Products

Superior cost performance has always been a feature of Techno Polymer's specialty products. These products include flame-retardant ABS (bromine and non-halogen) which is widely used in business machine peripherals inside and outside of Japan; sheet-grade ABS for refrigerators, which goes with various types of foaming agents; heat-resistant grade ABS suitable for the interior parts of automobiles; painting-, plating-, and vibration melting-grade ABS for the exteriors of automobiles; ABS containing anti-bacterial agents; chemical-resistant; laser mark; transparent ABS, etc. (TECHNO ABS); AES having excellent weather ability (TECHNO AES); AS having transparency and chemical resistance (SANREX); polymer alloy possessing unique features by fusing them with other polymers (EXCELLOY). Techno Polymer will continue to bring high-performance products to the market through the development of new, state-of-the-art technology, based on its experience and know-how accumulated by developing specialty grade polymers.



Technology for Customer Satisfaction

The name "Techno Polymer" derives from the word "Technology." We are committed to always being a pioneer in developing new, state-of-the-art technologies such as product and application developments, molding know-how and production technology in order to receive high marks from customers.

Product Development

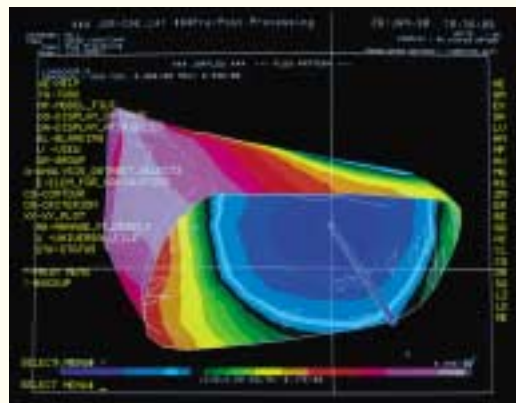
The Yokkaichi Development Laboratory, which is spearheading new product development at Techno Polymer, makes every effort to not only develop new ABS-related products but also pursue innovative styrenic materials by utilizing both polymerization and compounding technologies. In addition, we try to apply customers' requests to basic technologies and find optimum solutions. To do this, we have established a technology network system with both JSR Corporation and Mitsubishi Chemical Corporation that offers new values supported by the most advanced technologies.

Technical Service System

The Yokkaichi Development Laboratory and CS Group have a Technical Service System to offer full-scale cooperation to customers, including support for mold and product designing by a computer-aided engineering system (CAE) which originated in Techno Polymer technology, and proposal of molding technology(gas injection molding etc.) which contributes to solutions for specific customer problems. Our experienced and skilled sales engineers and Techno Polymer's home pages of Internet are ready to respond to questions from customers about our products and technologies.

Acquisition of ISO-9000 Certification

For the production of ABS resins, compliance to international standards is a basic requirement, and acquisition of ISO-9000 certification is recommended. During the period when JSR Corporation and Mitsubishi Chemical Corporation operated separately, both plants had been ISO-9002-approved. Techno Polymer has acquired ISO-9001 approval as an integrated and unified operation of both plants.



Technology for Building a Global Company

In this borderless era, Techno Polymer is recognized as a global corporation, supplying high-quality products all over the world.

World-Standard ABS

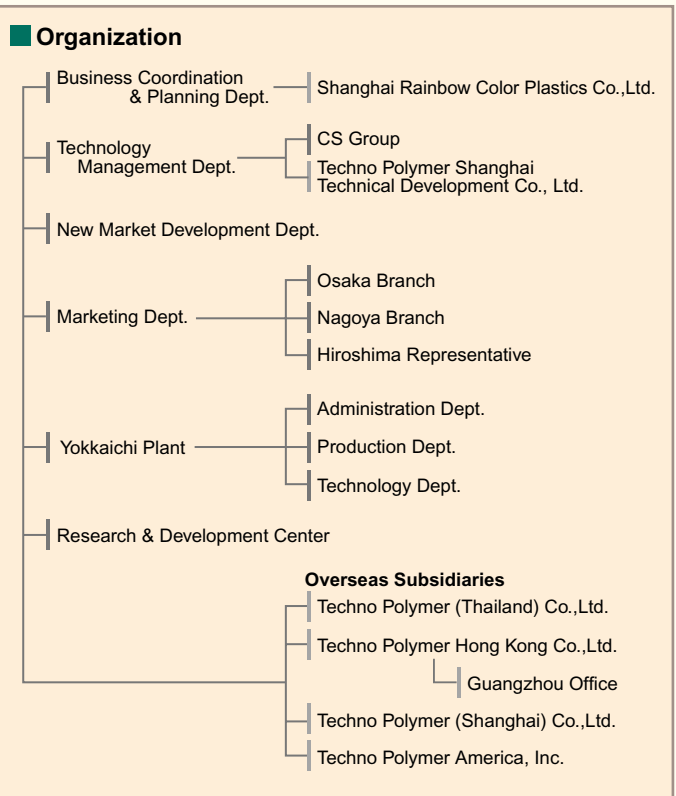
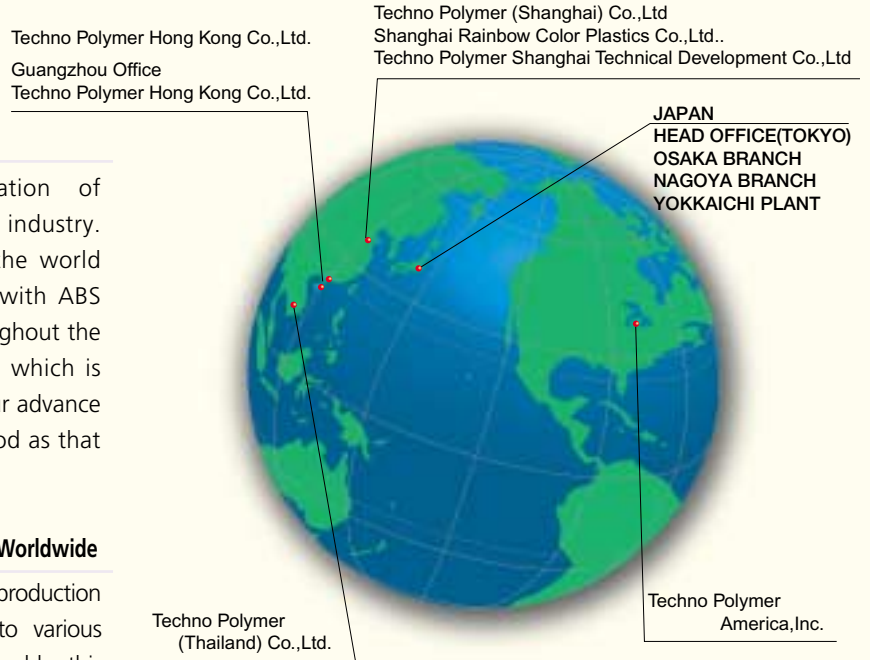
Ever accelerating globalization of economies affects the ABS industry. Customers doing business in the world market expect to be supplied with ABS that is of a uniform quality throughout the world. Techno Polymer's ABS, which is developed and produced with our advance technology, is world class, as good as that of any supplier in the world.

Techno Polymer ABS Technology Worldwide

Techno Polymer's superior ABS production technology has been exported to various countries in the world. ABS produced by this technology totals approximately one million tons per year worldwide.

In view of the production volume and the number of production sites, the ABS technology of Techno Polymer is rated as one of the world's best.

Leveraging our worldwide network of technical licensees, Techno Polymer is in the process of setting up a global supply system through which products of uniform quality are delivered whenever and wherever needed.



Technology to Preserve the Global Environment

To promote resource recycling in society for the preservation of the global environment and to achieve sustainable economical growth, the development of environmentally compatible products is keenly awaited. Techno Polymer not only conducts the development of environmentally friendly polymer products, but also assists customers to design environmentally friendly products and to utilize the recycled parts.

Environmentally Friendly Materials, and Design Support

Techno Polymer makes effort to develop environmentally friendly materials based on several core themes: design that simplifies the disassembly of fabricated products and facilitates the material (mechanical) recycling; improving the stability of materials for longer product life; development and design support of high-strength materials that reduce wall thickness and material consumption.

Recycling System

To promote resource recycling, laws such as the Container Recycle Law and the Household Electric Appliances Recycle Law have been enacted. Other activities include various kinds of Eco Labels attached to products that are compatible with environment, and the Green Purchase Network (GPN), which promotes purchasing of environmentally friendly products. Among those, material (mechanical) recycling has attracted considerable attention. Techno Polymer, as a material manufacturer, established a system that facilitates material (mechanical) recycling and promotes the reuse of the recycled material.

Responsible Care

Throughout the entire ABS life cycle from procurement of raw materials, production, and delivery to product fabrication at customers and then to disposal, Techno Polymer started intensive Responsible Care program to maximize safety and comfort, protect the global environment and maintain good working conditions. In 1998, our president proclaimed the start of the program. And in 1999, Techno Polymer Joined the Japan Responsible Care Committee.

Together with JSR Corporation and Mitsubishi Chemical Corporation as the parents, Techno Polymer acquired ISO14001 certification at West plant in 1998 and at East plant in 1999.





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