Four strengths of the Mitsui Chemicals Group

100 years of technological know-how + Diverse range of products & services

Ever since we started up our coal chemical business in 1912 in Omuta (Fukuoka), the Mitsui Chemicals Group has continued to produce numerous different products. And after operations at Japan’s first ethylene plant came online in 1958, we started to accumulate state-of-the-art technologies in the petrochemicals field. The accumulation of precision synthesis technologies derived from coal chemicals and polymer science-based technologies mainly rooted in petrochemicals is without doubt the driving force behind our current lineup of competitive products that serve to underpin our growth today and going forward.

Making fertilizer from exhaust gas produced as a byproduct of the coal business was our starting point. Since then, we have honed our precision synthesis technology in the course of creating various products.

Precision synthesis technology derived from coal chemicals

1912
Started operations at Mitsui Mining’s Omuta Works

1915
Industrialized synthetic dye alizarin

1932
Started production of synthetic dye indigo

1963
Polyurethane material TDI

1958
Ethylene plant operations came online (Japan’s first petrochemical complex)

1975
TAFMER™ (alpha-olefin copolymer)

Polymer science to meet varied customer needs

We have cultivated our polymer science by developing resins to meet various needs, mainly with our cutting-edge polyolefin technology.

Manufacturing process technology

The bedrock of our strong competitive advantage

Through a process of developing and improving various methods over the course of our long history, we have continued to raise the level of our technology so that we can stably manufacture high-quality products at low cost.
Our History

100 years of technological know-how
Diverse range of products & services

1986
Established Advanced Composites, Inc. (polypropylene compounds)

1987
TREBON™ (insecticide)

1987
MR™ (plastic ophthalmic lens materials)

2001
STARKLE™ (insecticide)

1987
ICROS™ Tape (semiconductor manufacturing process tapes)

1995
APEL™ (cyclic olefin copolymer)

1998
World’s first
EVOQUE™ (metallocene linear low density polyethylene (gas-phase process))
Value creation story

Four strengths of the Mitsui Chemicals Group

Strong customer base + Global platform & diverse human resources

We aim to achieve growth as well as strive to solve the challenges of society with a lineup of high added-value, high-performance products mainly in the three targeted business domains of Mobility, Health Care, and Food & Packaging. The backbone of these products is the technology we have honed over our 100-year history. They are rated highly from our leading customers worldwide, so much so that we boast a number one or number two share in certain markets.

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<th>Main applications</th>
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<td>polypropylene compounds</td>
<td>Auto bumper and instrument panel materials</td>
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<td></td>
<td>TAFMER™ (alpha-olefin copolymer)</td>
<td>Auto bumper and instrument panel materials</td>
</tr>
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<td></td>
<td>APEL™ (cyclic olefin copolymer)</td>
<td>Smartphone camera lens materials</td>
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<td>Health Care</td>
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<td>Food &amp; Packaging</td>
<td>TREBON™ (etofenprox)</td>
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<td>ICROS™ Tape</td>
<td>Semiconductor manufacturing process tapes</td>
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<tr>
<td>Basic Materials</td>
<td>EVOLUE™ (metallocene linear low density polyethylene)</td>
<td>High-performance packaging materials</td>
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Global platform & diverse human resources

We are continuing to actively expand our global operations—overseas sales currently account for 45% of total sales. Globalization of our business is accelerating with more than 40% of employees now based overseas.

Overseas sales ratio
1997 16% → 2018 45%
### 100 years of technological know-how

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<th>Manufacturing process technology</th>
<th>Strong customer base &lt;Market share&gt;</th>
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<td>Polymer science</td>
<td>Global No.2 (Share: 21%)</td>
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<td>Precision synthesis technology</td>
<td>Global No.2 (Share: over 50%)</td>
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<td>Polymer science</td>
<td>Global No.1 (Share: 45%)</td>
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<td>Precision synthesis technology</td>
<td>Japan No.2</td>
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<td>Polymer science</td>
<td>Global No.1</td>
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### Business segments

**1. Mobility**
- polypropylene compounds
  - Auto bumper and instrument panel materials
- TAFMER™ (alpha-olefin copolymer)
  - Auto bumper and instrument panel materials
- APEL™ (cyclic olefin copolymer)
  - Smartphone camera lens materials

**2. Health Care**
- MR™ (ophthalmic lens materials)
  - Plastic ophthalmic lens materials

**3. Food & Packaging**
- TREBON™ (etofenprox)
- STARKLE™ (dinotefuran)
  - Insecticide
- ICROS™ Tape
  - Semiconductor manufacturing process tapes

**4. Basic Materials**
- EVOLUE™ (metallocene linear low density polyethylene)
  - High-performance packaging materials