

# Other Mitsui Chemicals Solutions

Performance driven, high value added products

The Mitsui Chemicals Group provides high value added products to a wide range of industries. The can be found in IT-related products to digital home appliances, and from building materials and actively pursues research and development of new materials to meet the needs of various industries

Group's materials and technological breakthroughs flooring to sports shoes and clothing. The Group as a solution provider for the next generation.

**Selected among Thomson Reuters Top 100 Global Innovators 2015**

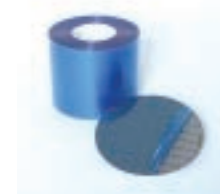
The Mitsui Chemicals Group was highly acclaimed for its domestic and international intellectual property efforts and selected for the first time as one of the Thomson Reuters Top 100 Global Innovators showcasing the world's 100 most innovative organizations.



## Industrial materials

**Materials for Semiconductor Manufacturing Process**

**Protective tape for silicon wafer back-grinding process**  
 ● ICROS™ Tape



**Dust proof membrane for photomask**  
 ● MITSUI PELLICLE™

**Etching, cleaning agents**  
 ● Nitrogen trifluoride

**Epoxy hardeners for IC encapsulation**  
 ● MILEX™

**Manufacturing process release film**  
 ● Separator SP-PET

**CMP pad casting film**  
 ● TAKENATE™  
 ● HIPRENE™

**Laminate resin**  
 ● POLYHOPE™

**Deposition Gas**  
 ● Monosilane  
 ● Disilane  
 ● Silicon tetrafluoride

**Heat Conductivity Materials**  
 ● Boron nitride powder

**Cleaning Solvents**  
 ● IPA  
 ● DMI

**Material for Sliding Parts**

● SAXIN NEW LIGHT™

## Electronics materials

**Laptop**

**Magnesium alloy coating**  
 ● EPOKEY™  
 ● ALMATEX™  
 ● U-VAN™

**Mobile Phones**

**Connectors**  
 ● ARLEN™



**Paint**  
 ● OLESTER™  
 ● TAKENATE™

**Manufacturing process materials**  
 ● OPULENT™

**Manufacturing process film**  
 ● Separator SP-PET

**LED**  
 ● PROVEST™

**Wiring film**  
 ● APB-N

**Camera lenses**  
 ● APEL™

**Frame material**  
 ● POLYMETAC™



**Digital Still Cameras**

**Digital Movie Cameras**

**Release film for printed circuit boards**  
 ● OPULENT™

**Lenses**  
 ● APEL™

**Hard Disks**

**Heat resistant, self-lubricating materials**  
 ● AURUM™

**Manufacturing process materials**  
 ● OPULENT™



**CD, DVD**

**Raw materials for polycarbonate resin**  
 ● Bisphenol-A

**Cases**  
 ● Prime Polypro™

**DVD Drives**

**Pick up lenses**  
 ● APEL™



**Flat Display Panels**

● Functional Dyes

**Sealants**  
 ● STRUCT BOND™

**Light guide panel materials**  
 ● Methyl methacrylate (MMA)

**LC materials release film**  
 ● Separator SP-PET  
 ● OPULENT™

**Protection Film**  
 ● TAKEMER™

**Faxes**

**Overcoating for thermal papers**  
 ● BARIASSTAR™  
 ● Methacrylamide

**Printers**

**Plastic coating**  
 ● OLESTER™  
 ● TAKENATE™

**Ink cartridge case**  
 ● Prime Polypro™

**Copiers**

**Rollers**  
 ● Mitsui EPT™

**Toner materials**  
 ● Hi-WAX™  
 ● FTR™  
 ● ALMATEX™

**fθ lenses**  
 ● APEL™

**Release claws, insulation gears**  
 ● AURUM™

**Roll, blade casting resin**  
 ● HIPRENE™  
 ● TAKENATE™

**Electric Wires**

**Wire coating**  
 ● TAFMER™  
 ● Mitsui EPT™  
 ● HI-ZEX™  
 ● Evolve™

**Solar Power Systems**

**Encapsulant sheet**  
 ● SOLAR EVA™

**Backsheet**  
 ● TAKELAC™  
 ● TAKENATE™

**Edge face sealing resin**  
 ● MILASTOMER™

**Silicon materials for solar cells**  
 ● Monosilane

**Power generation business**  
 ● Tahara Solar / Wind™ Electricity Generation Cooperative Operation  
 ● Diagnostics and Consulting Business for Photovoltaic Power Generation

## Housing materials

**Sofas**

● ACTCOL™  
 ● COSMONATE™  
 ● ECONYKOL™

**Bags**

● NOTIO™  
 ● CopperStopper™

**Low-resilient Pillows**

**Urethane materials**  
 ● ACTCOL™  
 ● COSMONATE™  
 ● ECONYKOL™  
 ● FORTIMO™



**Clothes**

● Purified terephthalic acid  
 ● Ethylene glycol  
 ● FORTIMO™

**Sports Shoes**

● NOTIO™  
 ● TAFMER™

**Mid-soles**



**Hair care /Skin care products**

● Cosmetic materials

**Bottles**

● HI-ZEX™

**Wash basins**

● POLYHOPE™  
 ● POLYMAL™ MAT

**Bathtubs**

● POLYHOPE™  
 ● POLYMAL™ MAT

**Refrigerators**

**Insulating materials**  
 ● ACTCOL™  
 ● COSMONATE™



## Civil engineering and building materials

**Insulation Building Materials**

● ACTOCOL™  
 ● COSMONATE™  
 ● Phenol (raw materials for phenol resin)

**Wallpapers**

● HI-ZEX™  
 ● SWP™

**Gaskets**

● MILASTOMER™

**Concrete coating**

● SEWYELL™

**Floor Coating**

● OLESTERT™  
 ● TAKENATE™  
 ● TAKELAC™

**Wooden Walls and Ceiling**

● NONROT™

**Paint Adhesive Component**

● KEMIBESTO™

**Decorative Sheets**

● Prime TPO™  
 ● Prime Polypro™

**Cladding Boards**

● SWP™

**Road material**

● Resin guidance plates for people with visual impairment

**Floor Heating**

**Adhesive resin for steel pipe linings**  
 ● ADMER™

**Oil absorbent**

● TAFNEL™ Oil Blotter™

**Protective Film**

● Mitsui Masking Tape™

**Gas Pipes**

**Molding resins**  
 ● NEO-ZEX™  
 ● Mitsui gas pipe system™

**Water/Hot-water Supply Pipes**

● ELMEX™  
 ● BEAULON™

**Ice Melting**

● ICEMELTER™

**Flooring**

● Paulownia™

**Plywood adhesive**  
 ● Phenol

