

A new frontier, a new lifestyle.



Electronics

Advanced technologies for flat panel displays





It takes know-how to see the possibilities: welcome to SEKISUI in Europe

SEKISUI in Europe offers you outstanding plastics for industrial applications with focus on four business fields: Transportation, Construction & Infrastructure, Electronics and Medical Diagnostics.




Our unique approach to developing long-lasting and value-adding polymer-based products has made us a trusted partner to the most diverse industries. Our materials offer the most versatile advantages, from lightweight to fire-resistant to products that contribute towards the environment. You will find SEKISUI smart solutions in many applications from cars to electronics as well as in medical products. Wherever we are, we serve to improve people's lives.

SEKISUI – combined strength for outstanding products

At SEKISUI in Europe, we aim to combine manufacturing excellence with unique materials for environmentally-friendly products that advance society for generations to come. Therefore, our product range is comprehensive, spanning from high-performance thermal and acoustic insulation, ultra-lightweight automobile components, infrastructure rehabilitation to sound-reduction products for construction and much more.

We run our business with a focus on customer benefits

The basis for SEKISUI's success lies in our business concept: We combine advanced polymers with our clever competencies, consisting of a combination of processing technologies and unique polymer-based materials, as well as well-grounded analysis and evaluation methods.

Our processes & functions		Our business fields	Customer benefits
Materials With our high polymer-based material technology, we meet the diversified needs of customers.	Functional Resin We develop not only the polyvinyl butyral (PVB) resin used for automotive interlayer film but also our original high-performance resins, such as acrylic and epoxy.	 Transportation	Energy reduction Efficiency increase Noise reduction Comfort Safety Fire protection Health
	Microspheres A technology to manufacture microspheres of high particle size accuracy in a wide particle size range. This technology controls the microsphere structure, such as hollow and porous, and functionalises the surface.		
Functional Thin Film A nano-level thin film is created using unique sputtering technology, with various functions. We offer commercial products using transparent conducting films (ITO film).	 Electronics		
Nanohybrid A technology to mix different kinds of materials such as organic and inorganic materials at a nano level. The technology results in the processability, strength and heat resistance that a single material cannot achieve.		 Medical Diagnostics	
Polymer Processing Foundation Polymer processing technologies such as extrusion, foaming, precision molding and coating support SEKISUI's product lines.			
Analysis and Evaluation We develop, manufacture and distribute diagnostic reagents and equipments with the technologies of lipid analysis, latex turbidimetric immuno-analysis, glycan analysis, immuno-chromatographic and blood clot analysis.			

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Flat panel displays surround us in our smart phones, car dashboards, tablets or cameras and are well established in the modern world. SEKISUI manufactures products for higher definition and responsiveness, improving the usage of electronic devices. The range covers microspheres, resins, foam as well as tape and film products.

The second pillar in the electronic product portfolio targets the improvement of semiconductor performances. As core of all electronic devices, our adhesives and tapes advance the functionality through their stability, transparency and adhesion control in the wafer manufacturing process.

1 Microspheres

For maintaining high uniformity gap, Micropearl® can be used by mixing with resins and films.

- Micropearl® SP/GS – plastic particles possessing a uniform distribution of particle sizes. Variety of uses (e.g. semiconductor, AT, optical components, etc.)
- Micropearl® AU – metal-coated plastic particles possessing a uniform distribution of particle sizes. Allow both conduction and gap properties to be controlled

2 Solder balls

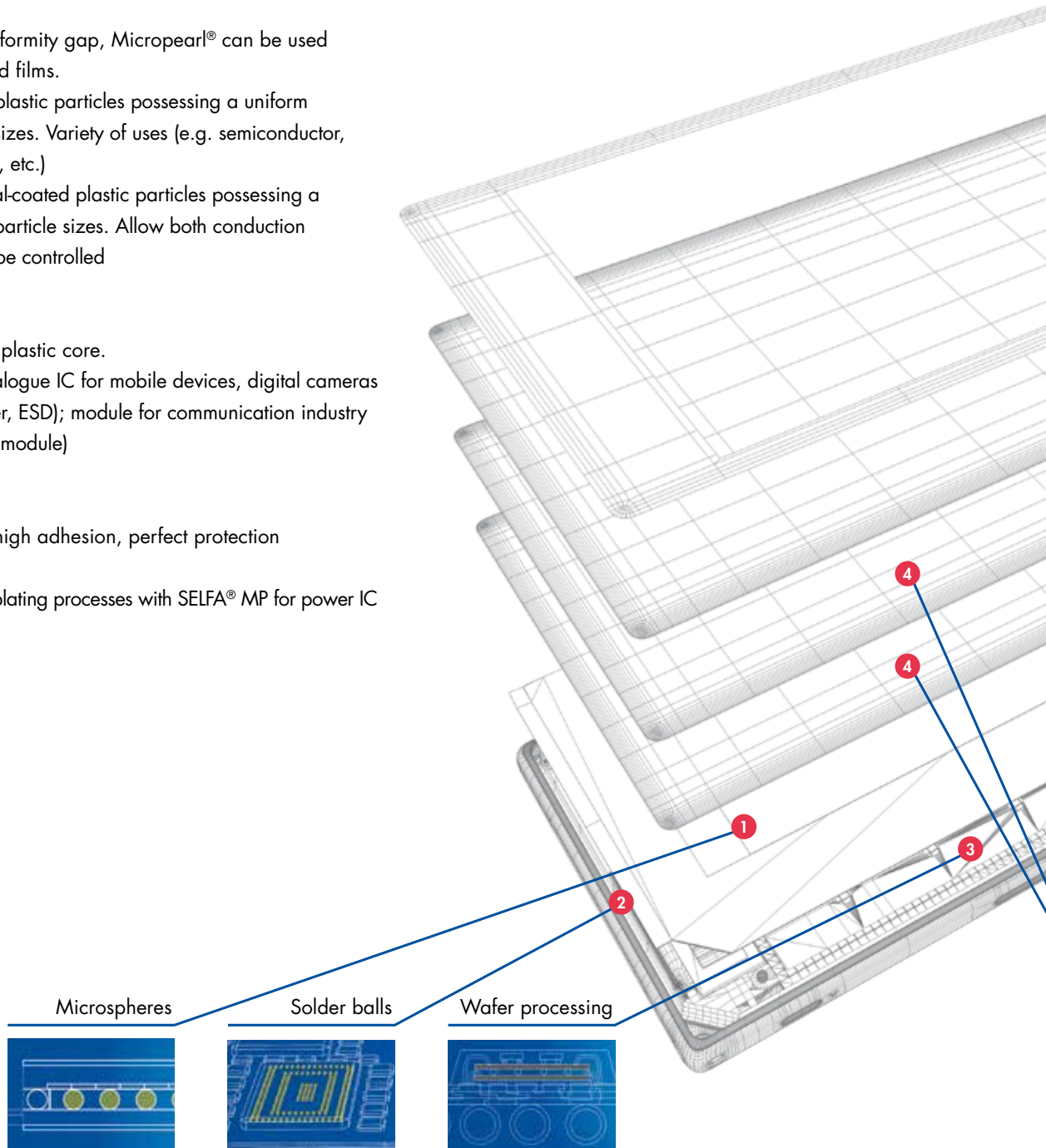
Soft and uniformly-sized plastic core.

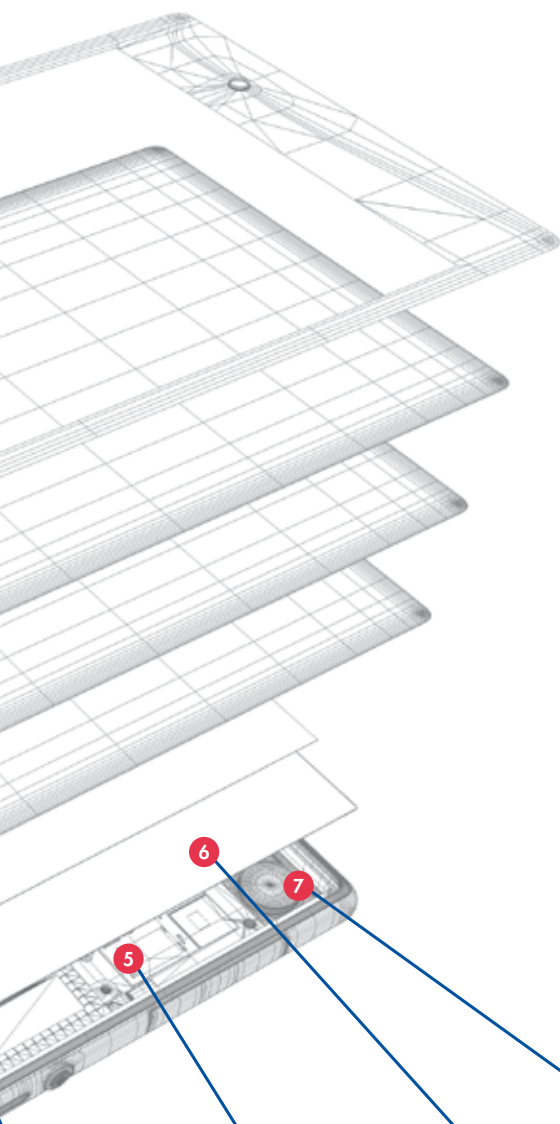
- Micropearl® SOL – analogue IC for mobile devices, digital cameras (power supply, amplifier, ESD); module for communication industry (MCU, CPU, multi-chip module)

3 Wafer processing

Easy-peel UV tape with high adhesion, perfect protection and no residue.

- Selfa® – for electroless plating processes with SELFA® MP for power IC





4 Film

Optical properties are stable regardless of changes in humidity and temperatures.

- ITO – for capacitive touch screens; applied for cover film for smart phones, tablet PCs
- Clear optic film – film between cover panel and touch sensor, between ITO film or between touch sensor and LCD

5 Resin

Polyvinyl acetal resin and polyvinyl butyral (PVB).

- S-LEC® B/K used in applications like ceramic binders, special coatings or adhesives for printed circuit boards. Offers high heat stability for the circuit boards thanks to its high glass transition temperature

6 Foam

Ultra-thin and high-performance foam.

- Xlim® and Alveolit® – LCD/OLED cushion and gasket, prevent damage caused by dropping; prevent damage caused by water and dust

7 Tape

Used to counteract static noise in tablets.

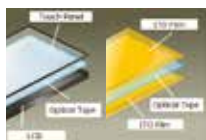
- Conductive tape # 7800 series – LCD charging measures (single-sided tape), FPC grand, substrate shield, etc.

8 Antistatic plastic sheets

Due to their high transparency, particularly suited for machine enclosures, protective covers, partitions, laminar flow units, clean room storage systems.

- ESLON® DC ESD – sheets are available in a variety of plastic substrates such as polycarbonate, PMMA/Acrylic and PVC and moreover in a number of different colour tints

Film



Resin



Foam



Tape



Antistatic plastic sheets



SEKISUI Europe B.V., located in Roermond, the Netherlands, is the European headquarters of the SEKISUI Chemical Group, a Japanese conglomerate with more than 65 years of experience in the housing sector and polymer-based processing.

In Europe, SEKISUI consists of 10 companies with over 1,000 employees. The European group of companies offers outstanding plastics for industrial applications in the automotive, construction & infrastructure and electronic domains as well as high-quality medical diagnostics products.

Sustainability Awards we have earned as of 2015:

- Earned RobecoSAM Industry Leader, Gold Class sustainability rating
- Earned selection to Dow Jones Sustainability Indices (DJSI) Industry Leader, World, Asia Pacific
- Earned selection to FTSE4Good Index
- Earned selection to Ethibel PIONEER and Ethibel EXCELLENCE indices
- Earned selection to the Morningstar Socially Responsible Investment Index
- Ranked 56th in Nikkei NICES ranking system
- Ranked 64th in Toyo Keizai CSR Ranking



Environmental Awards we have earned as of 2015:

- Ranked 68th in Nikkei Environmental Management Ranking
- Earned selection to CDP Japan 500 Climate Disclosure Leadership Index (CDLI)



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