

A new frontier, a new lifestyle.



Transportation

Products that support the environment, comfort and safety





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

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.

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.

Processing

Fine processing control and development of unparalleled new processes lead to the development of unique products.

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).

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.

Polymer Processing Foundation

Polymer processing technologies such as extrusion, foaming, precision molding and coating support SEKISUI's product lines.

Analysis and Evaluation

Bioanalysis

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.

Our business fields



Transportation



Construction & Infrastructure



Electronics



Medical Diagnostics

Customer benefits

Energy reduction

Efficiency increase

Noise reduction

Comfort

Safety

Fire protection

Health



Our products ensure a more than comfortable ride

SEKISUI offers products for the automotive and aviation industries as well as for mass transit. We aim to increase safety, comfort and eco-friendly performance with materials that are fuel-efficient and highly durable.

At SEKISUI we are not only concerned about safety in cars, mass transit and airplanes but we want to make the ride as comfortable as possible for every passenger. Our products increase passenger comfort on the inside of vehicles, by reducing noise or by increasing safety through materials that are fire-retardant, highly durable and lightweight.

Automotive exterior

1 Automotive glazing

PVB interlayer films' resilient designs prevent glass from shattering through adhesive properties.

- S-LECT™ Sound Acoustic Film effectively reduces noise that is transmitted through glass
- S-LECT™ Solar Control Film lowers the car's interior temperature by reducing heat
- S-LECT™ Sound and Solar Control Film multifunctionally reduces noise and heat
- S-LECT™ Sound and Solar Film-W is the world's first edge-shaped interlayer film for head-up displays (HUD) with sound and solar functions



2 Oily surface tape

Provides improved adhesion to oily surfaces, such as doorlocks and seat frames.

- Oily Surface #586 – double-faced adhesive tape made of thin non-woven fabric base material coated with rubber adhesive

Automotive interior

3 Wire harness tape

Single-faced adhesive tape composed of toluene-free acrylic adhesive and polyethylene base material for the application of wire harnesses.

- Wire harness #735A – strong adhesion to olefin materials, such as PP and PE

4 Low VOC tape

Double-faced non-woven tape for fixing various types of substrates, such as PP and PE & PU for HVAC, airducts and interior applications.

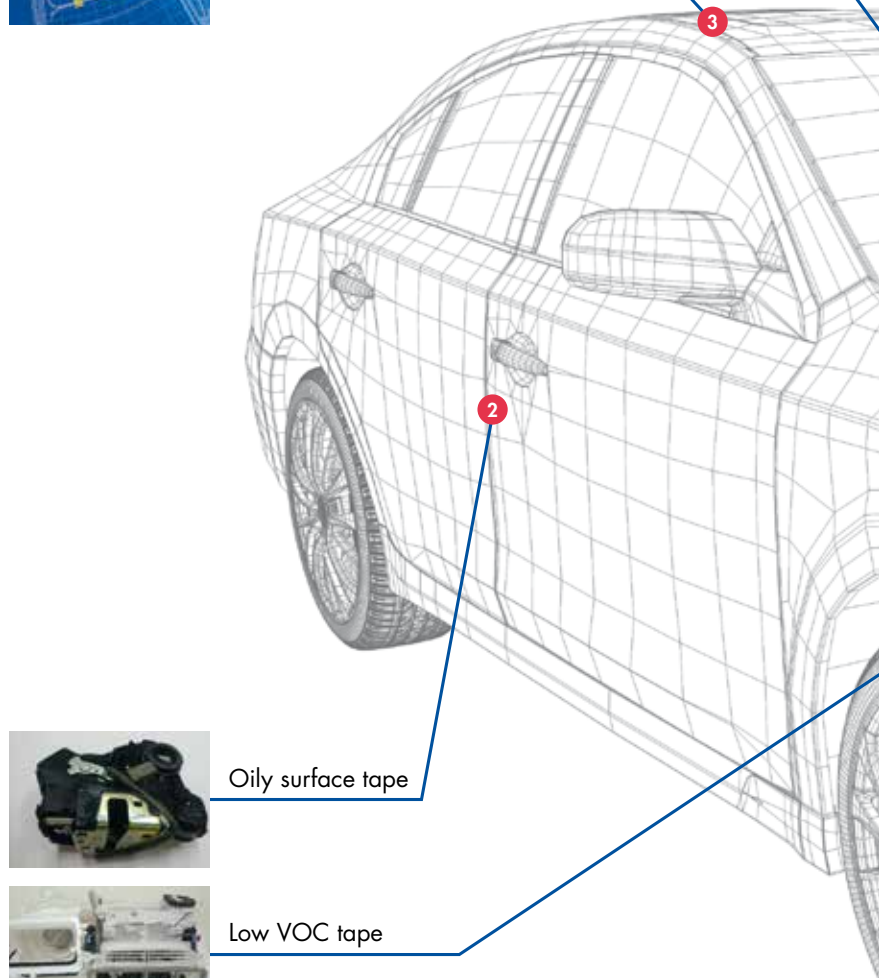
- Low VOC #5782
- Ultra Low VOC #5782LSV



Automotive glazing



Wire harness tape



Oily surface tape



Low VOC tape

5 Airducts

Made from high-performance polyolefin foams for instrumental panels, centre consoles, door panels and headliners.

- Alveolen® – crosslinked horizontal PO foam NLC LV, NLT LV, NP FR

6 Expandable microspheres

Thermo-expandable microspheres, with liquid hydrocarbon inside a thermoplastic shell with a low boiling point.

- Advancell® EM – cell size increases by 3-4 times, volume increases by 40-80 times, when heated

7 Acoustic absorber

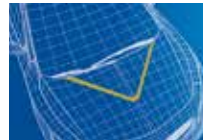
Made from high-performance polyolefin foams for sound insulation and sound absorption with high temperature resistance.

- Aveolen® – crosslinked horizontal PO foam NP FR
- Alveocel® – extruded PO foam LP FR N PM

8 Door panels and arm rests

Made with high-performance polyolefin foams for improved soft touch in interior applications.

- Alveolit® – crosslinked vertical PO foam TLA LV, TP VF, TP LPM2, TP SE
- Alveolen® – crosslinked horizontal PO foam NA (LV)

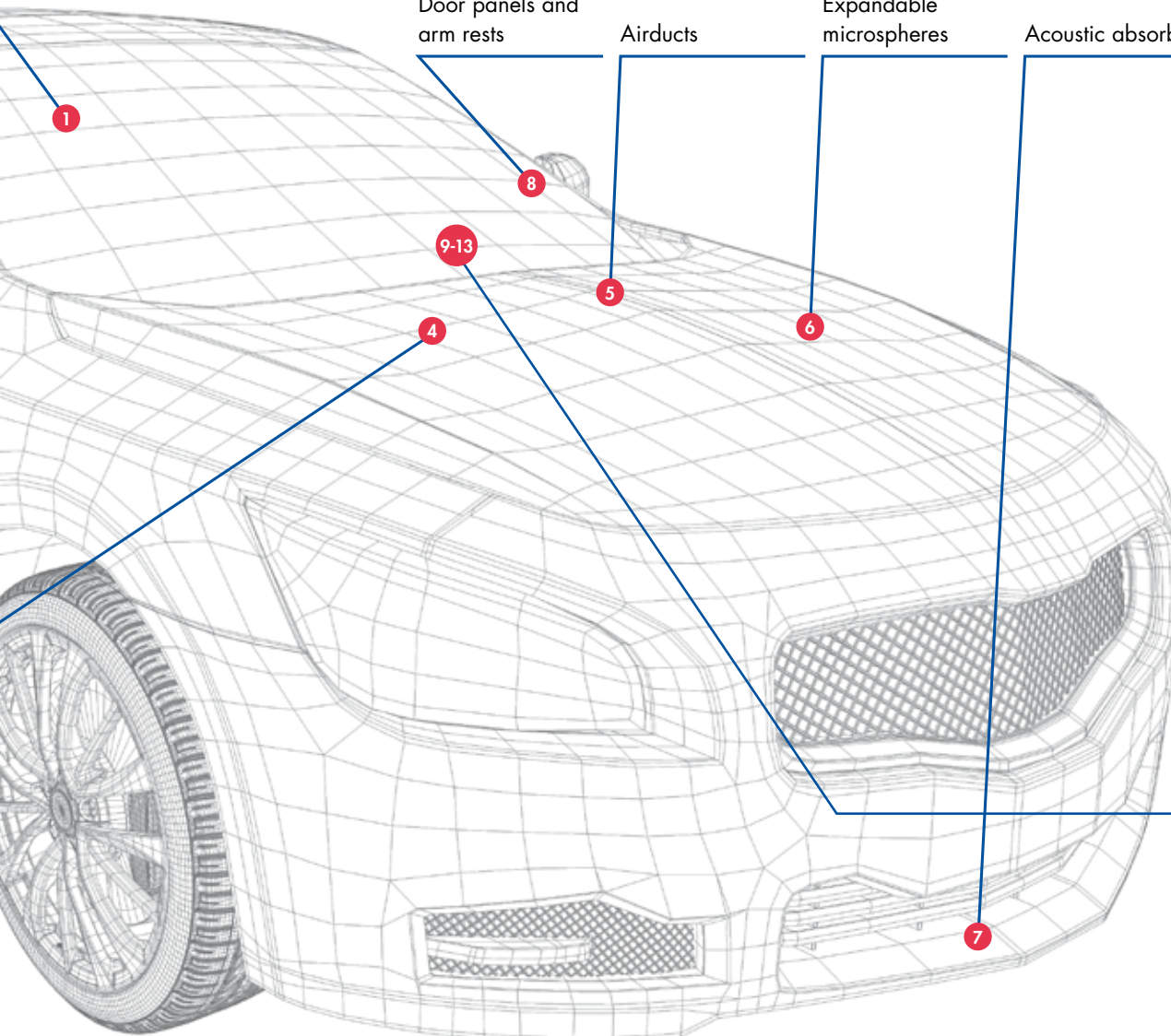


Door panels and arm rests

Airducts

Expandable microspheres

Acoustic absorber



Automotive electronics

9 Microspheres

These particles, several micrometers in diameter, are sprayed between glass substrates to maintain an even cell gap.

- 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

10 Solder balls

Soft and uniformly-sized plastic core.

- Micropearl® SOL – analogue IC for mobile devices, digital cameras (CMOS image sensor IC); module for communication industry (MCU, CPU, multi-chip module)

11 Film

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

- Clear optic film – film between cover panel and touch sensor, between ITO film or between touch sensor and LCD

12 Conductive tape

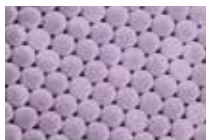
Used to counteract static noise in tablet.

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

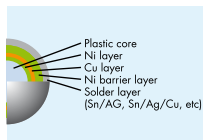
13 Heat conductive material

Stable filler-disperse and specially designed original resin.

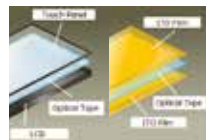
- NT series (paste), KNDJ series (sheet) and N-Fin series (fin) – automotive electrics (LED, ECU, inverter, etc.)



Microspheres



Solder balls



Film

Tape



Heat conductive material



Aviation

1 KYDEX® thermoplastics

Low heat-release thermoplastic sheet for aviation interior components with excellent properties and refined aesthetic. The complete product portfolio used from cockpit to tail includes:

- KYDEX® FST2 – fully compliant, advanced polymer
- KYDEX® 7200ST – smoke and toxicity compliant
- KYDEX® 6565 – low heat-release
- KYDEX® 6565HI – high-impact
- KYDEX® 5555 – extreme low heat-release
- KYDEX® 4545 – ultra-low heat-release for bonded build-up applications
- KYDEX® T – high-impact alternative to ABS. Meets vertical burn requirements.
- KYDEX® T-LW – next generation KYDEX® T with 10% weight savings
- KYDEX® 6503 – integral pearlescent low heat-release
- KYDEX® 6513 – integral “FROST” low heat-release
- KYDEX® 110 – metallic

Applications include: seat parts, bulkhead laminates, window shades, armrests, life-vest shrouds, moulding strips, passenger service units, tray tables, monitor shrouds and kick panels.

KYDEX
THERMOPLASTICS



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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