SEKISUIKASEI

Our Planet. Our Tomorrow. SEKISUI KASEI MEXICO S.A. DE C.V.



Company Profile (Mexico)

<u>Company Name</u>: Sekisui Kasei Mexico S.A. de C.V. <u>Location</u>: Circuito Zelkova No. 6, Parque Industrial Sendai, Valle de Santiago, Gto. <u>Site area</u>: 23,417m² (plant : 5,555m²) <u>Facility</u>: Molding Machine 4 units <u>Production</u>: Piocelan mold parts and EPS mold parts, Various second assemble <u>Capability</u>: Approx 60t/month <u>Quality</u>: IATF :16949:2016 <u>SOP</u>: Sep, 2016





Modeling

Best parts layout, Best shape, Best density and others can be achieved by our design and engineering know-how.

We can use 3D Files from customer and/or Physical Parts to Develop Packaging Proposal Design, also make Prototype samples to make Fitting Test prior to Tooling kick-off.



3D Modeling and Sample making

3D files are helpful to make proposal according to production volume and container space restrictions but, we can create 3D Model out of an actual part using 3D scanner or measuring by hand.



Using 3D files we can make a *physical CNC samples* that can be use for Fitting Test and/or performed other testing to ensure the Molding Tooling will be the same as required from the very first time.



MATERIAL ADVANTAGES

Based on critical characteristics and the customer requirements, SEKISUI can offer the best packing specification with appropriate material strength, shapes and the positions of packaging

Corporate Social Responsibility

Material >Polystyrene/Polyolefin Hybrid Resin Foam< Sekisui's Expandable Beads -PIOCELANTM-

PIOCELAN is a foam material combining polystyrene's advanced characteristics, such as rigidity and high expandability, with polyolefin's resistance to impact, chemicals and abrasion.



Advantages for packaging

Packaging



EPS can solve various problems. That's why it is valuable.

For example;

Cost

Reduction

Material Cost

Oparation Cost

Transportation

Cost

Sekisui

Design

• Time for packing or unpacking is too long.

Effective workability improvement by using EPS.

- (EPS doesn't need troublesome operation before packing . No need for bolts and nails)
- Rusting Occurance
- Effective in prevention of rust by using EPS

(EPS doesn't have any substances to allow rust on parts.)

- Mistake of parts to be shipped during packing operation process.
- EPS shapes fit on the parts so wrong parts cannot be packed.
- Parts holders are positioned on EPS so if any parts are missing it can be identified.

A) Panel Parts (Weak & Complicated shape)

Hood, Roof, Door, Fender, Trunk Lid, Tailgate, Bodyside, Fender, Pillar, Door Sash, Roof Stiffener, etc...







Shortest timing 12 weeks Longest timing 16 Weeks

ltem	ACTIVITY	wk ł	wk 2	wk 3	wk 4	wk 5	wk 6	wk 7	wk 8	wk 9	wk 10	wk 11 wk 12	wk 13	wk 14	wk 15 wk 16
1	Design study at the view point Q, C, D. (Concept and draft cost)					_									
2	Make a protitype (Prototype and quotation)														
3	Making a molding die (Tooling kick off, first "sampling")														
4	Start mass production and shipping events														

Above timeline doesn't include period of customer evaluation







Together with Technology

We will deliver better lives of people by supplying safe and secure products as well as creating new functions / values all the time and providing materials / technologies / production systems that will help customers to solve their problems.