Complex Molding Technology (Products)

Features

- Integration molding with various materials such as metal, resin, TPE, rubber and paper.
- Realizing line tact reduction and high functionality such as improving dimensional accuracy and waterproofness by our complex molding technology.

Use Examples

Application: Smart phone, Camera
Material: PC + Silicone
Possible to apply packing on 3D surface.

Application: Keyless entry case
Material: PC + Silicone + Top coat
Possible to apply soft touch feeling with rubber over molding.

Application: Plunger with packing
Material: SUS + PC + Silicone
Over molding with metal or plastic apply special function as packing, usability, assembly and so on.

Application: Harness packing
Material: Gel + SUS / Film
Possible to make 3D structure with gel material. Apply for packing and cushion.

Application: Action Camera
Complex molding parts are designable for making parts much more suitable on your application.
Gel Sealing Cushion : GSC

Features

- Realized soft touch feeling and excellent followability by filling silicone gel.
- Variety of customizability by utilizing free-disgnability on rubber part.
- High durability : No gel leakage even if the body is broken by pressure.
- Bio-safety thanks to biocompatibility of silicone rubber and silicone gel.

Characteristics

Maximum Compression Load

<table>
<thead>
<tr>
<th>Maximum Compression Load [kgf]</th>
<th>Failure Mode</th>
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<tr>
<td>130</td>
<td>Material Failure</td>
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※ The above data is based on the geometry shown on the right Fracture load will be changed depending on bonding area.

Compression • Recovery Ratio

![Graph showing compression and recovery ratio for Air and Gel.]