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Rubber Composite Product



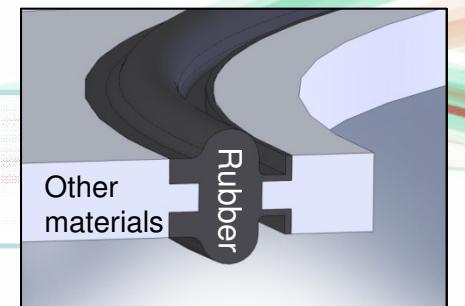
【Overview】



It is possible to compound rubber with other materials. Composite is conducted with indirect bonding method (vulcanized adhesive), which compounds the materials inside the mold.

It is possible to compound with various materials such as iron (S45C, SPCC, etc.) · aluminum alloy · brass · SUS · PTFE · phenolic resin · PPE · PA · PPS.

We are also working on composites of conflicting materials such as thermosetting rubber and thermoplastic resin.



【Rubber·Metal】



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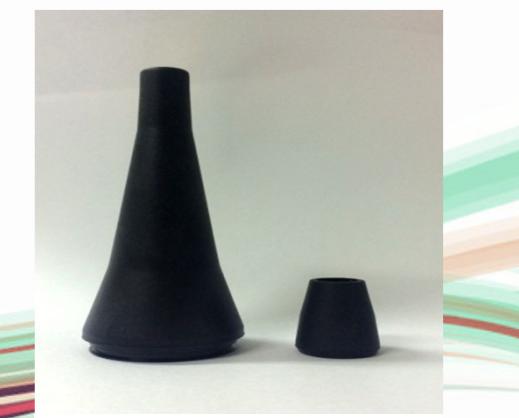
◆ Composite of various rubber materials and various metals is possible.

Composite rubber materials : FKM・FFKM・EPDM・H-NBR・
NBR・NBR+PVC・NR・Si・SBR・ACM・CR

- ◆ Rubber + Iron(S45C, SPCC etc.)
- ◆ Rubber + Aluminum alloy
- ◆ Rubber + Brass
- ◆ Rubber + SUS
- ◆ Rubber + Metal filter



Silicone · SUS



Silicone · Aluminum

【Rubber · Thermoplastic resin】



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- Rubber + PPE
- Rubber + PA66
- Rubber + PPA
- Rubber + PPS
- Rubber + Phenol resin



Weight can be reduced by compounding plastics and rubber.

Complex rubber materials : EPDM · NBR · NBR+PVC · NR · Si

[Rubber·Fluorocarbon resin(PTFE)]



Products in which fluorocarbon resin (PTFE) is compounded in necessary parts of rubber molded products.

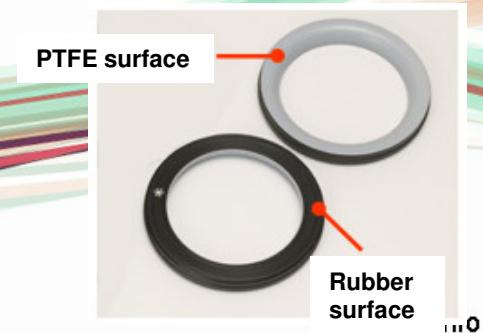
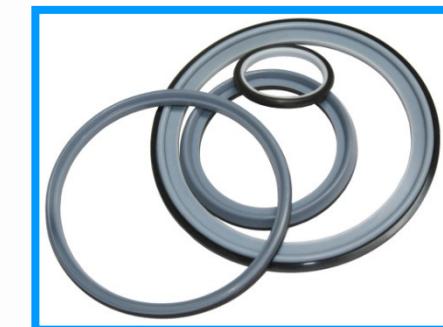
Complex actual rubber materials : FKM·EPDM·NBR·CR·Si

Characteristics of Fluorocarbon resin

- Corrosion resistance
- Sliding characteristics
- Non-polluting property
- Non-stickiness

Use

- Packing for sanitary
- Seat for ball valve
- Various guides





- ❖ We develop rubber materials according to product application and use conditions, further select suitable adhesive, and make vulcanized adhesion with metal or resin in order to build a strong composite product.
- ❖ We work on the process from product design to mold design.

【Trading company】

Company name : GWE Co., Ltd (Former Gut Ware Engineering Co., Ltd)

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【 Manufacturer】

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China: Hiko Toku(Shanghai) Polymer Technology Co., Ltd

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