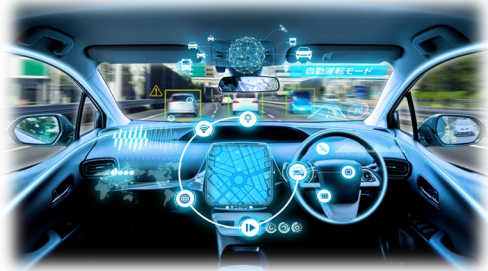


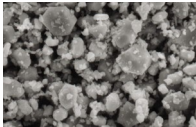
Products for Automobile (Functional Materials)



Functional material products of TODA KOGYO Group support and contribute to develop the cutting-edge technologies for automotive.

Magnetic Sensor/Encoder

Magnet materials for resin composite



Magnet material compound



Lithium Ion Secondary Battery

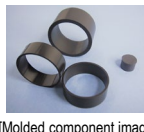
Cathode materials*



※Products of BASF TODA Battery Materials LLC

Motor/Pump

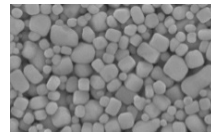
Magnet material compound



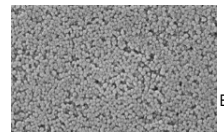
[Molded component image]

Multilayer Ceramic Chip Capacitor

Barium titanate



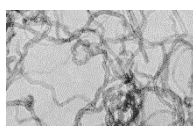
For dielectric layer



For Electrode layer

Radio wave Absorber/Antistatic Material

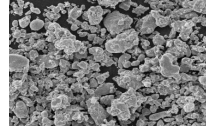
CNT (Carbon nanotube)



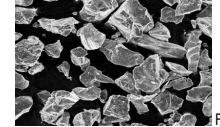
[Under development]

Inductor/Reactor

Soft magnetic metal material

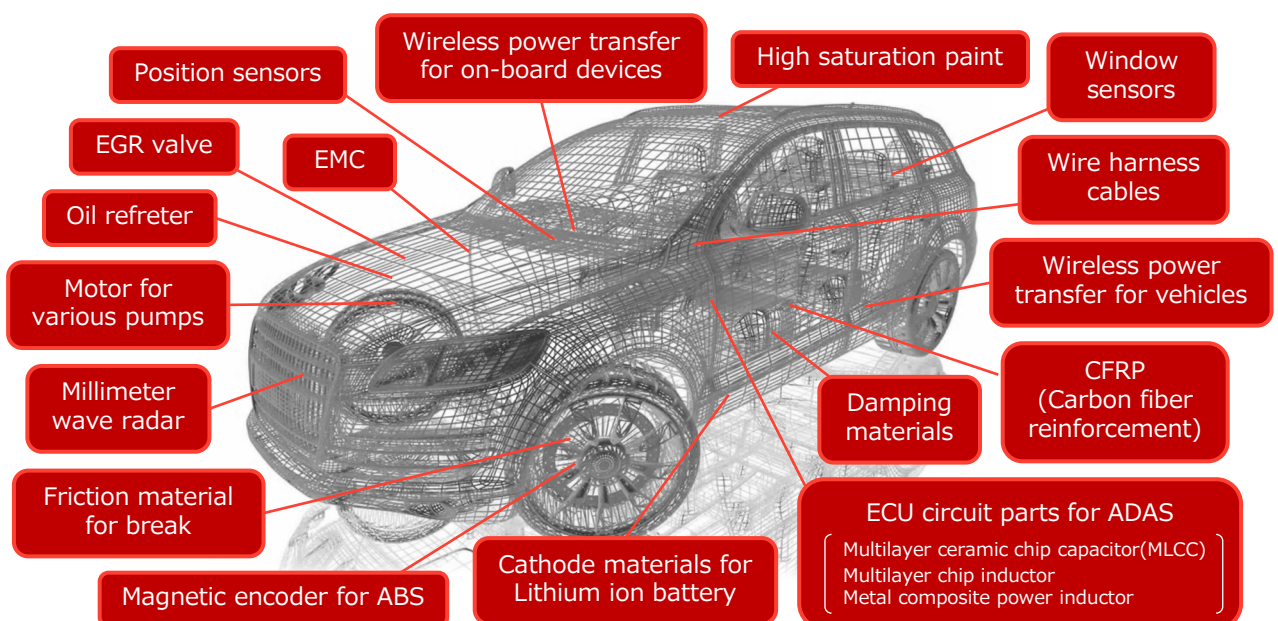


Fe-Si-Cr



Fe-Si-Al

Other TODA KOGYO's functional/component materials are used for automobile.



Products for Automobile (Component Materials)



TODA KOGYO Group has been developing and manufacturing the component materials used various functional devices for automobile.

Noise Suppression for Electrical Wires and Cables

Extrusion molding type compound for noise suppression covering material



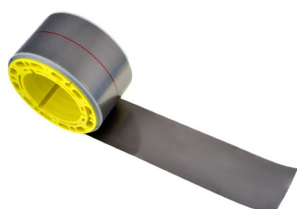
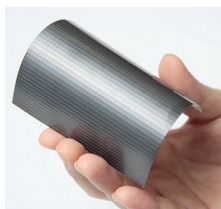
[Molded component image]

Noise suppression clamp filter

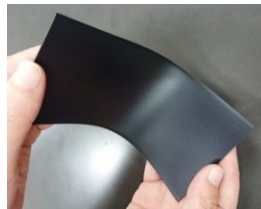


EMC Sheets

Ferrite/nanocrystalline sheets for magnetic shield (~500kHz) with heat resistance



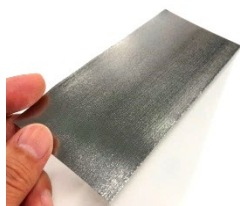
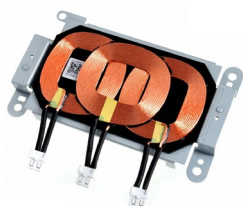
Electromagnetic wave absorbing sheets & the injection molding type compound



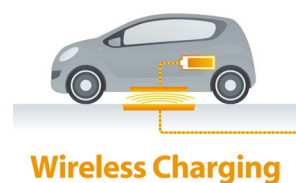
[Under development]

Wireless Power Transfer

Qi standard coil unit for on-board devices & the ferrite/nanocrystalline sheets



Mn-Zn ferrite plates for vehicle/ground



Wireless Charging

Converter/Charger

Mn-Zn ferrite cores

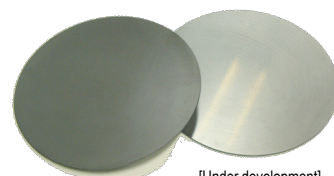


Inductor

SMD power inductors



Ni-Zn ferrite plates for integrated circuit



[Under development]

