

Electric vehicles

Functional Materials business

Metal Coatings business

Market scale **Large**

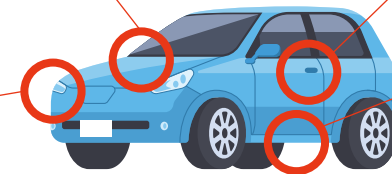
Compared to gasoline-powered vehicles, EVs are expected to cause increased demand for additives for in-vehicle electronic components, lubricants for electric units, anti-corrosive coatings, and overcoat materials for LCD color filters due to the increase in electronic components (passive components), electric units, and screws to hold the components in place, as well as more and larger LCD panels. In addition, because LED lights are effective in reducing power consumption of EVs, demand for antifogging agents for LED headlamps is expected to increase. Furthermore, EVs will make vehicles quieter, which is expected to increase demand for resin additives, such as agents that prevent abnormal noises caused by resins rubbing against each other in interior parts.

End uses of the NOF Group's products

For capacitors and LCD panels
(Additives for electronic components / Lubricants for electric units / Overcoat materials)

For agents to prevent abnormal noises in door hinges and interior parts
(Resin additives)

For antifogging of LED headlamps
(Antifogging agents)



For bolts, nuts, and other parts that hold batteries in place
(Anti-corrosive coatings)

Wind power / Solar power

Functional Materials business

Metal Coatings business

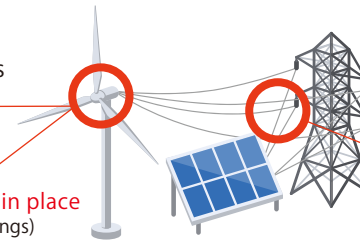
Market scale **Medium**

Demand is expected to increase for anti-corrosion coatings for bolts used in wind turbine blades and biodegradable lubricant required for gear lubrication. Demand is also expected to increase for organic peroxides for cross-linked polyethylene, which is used as a coating material for ultra-high-voltage and high-voltage electric wires used to transmit electricity from wind and solar power generation sites.

End uses of the NOF Group's products

For gear oil
(Biodegradable lubricants)

For bolts that hold blades in place
(Anti-corrosive coatings)



For ultra-high-voltage and high-voltage wire coating materials
(Organic peroxides)

Meat alternatives

Functional Foods business

Market scale **Small**

Demand is expected to increase for meat alternative oils and fats that help improve the flavor and texture of plant-derived meat alternatives that reduce environmental impact.

End uses of the NOF Group's products

For meat alternatives such as soy meat hamburgers
(Oils and fats for meat alternatives)



Resin window sashes

Functional Materials business

Market scale **Small**

Demand for organic peroxides is expected to increase with the spread of energy-efficient housing because vinyl chloride resin is used in resin window sashes with high thermal insulation properties.

End uses of the NOF Group's products

For resin window sashes
(Organic peroxides)

