

# Example of outgassing analysis generated from rubber

Use of corrosive gas sensors for material selection

## Evaluation Method








A container, which accommodates the corrosion sensor and a material is sealed and placed in an environmental tester and kept at 50°C. After a certain period of time, the sensor and the material are taken out of the container and the corrosion length is measured.

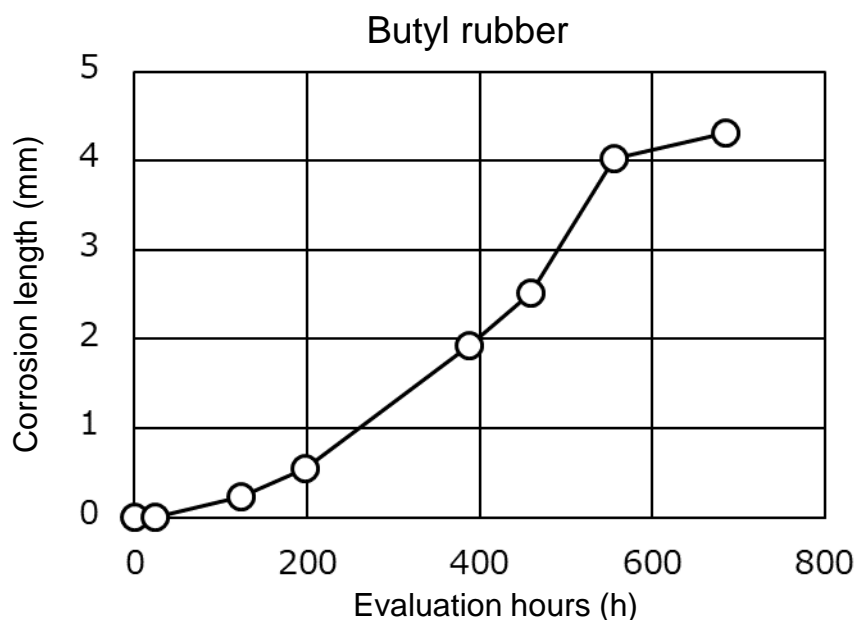
Evaluated material

## Evaluation Results

Evaluation conditions: Samples were kept at 50°C for 700 h.

Material	None	EPDM*	Fluororubber	Butyl rubber	Silicone rubber
Appearance					
Corrosion	None	None	None	<b>Occurred</b>	None

\* EPDM: Ethylene propylene diene rubber



- Materials containing sulfur have a corrosion length that increases over time.
- Sulfur contamination can be detected without using an analyzer.
- Temperature conditions and time can be set as required.

## Application Examples

Automobiles, electronic and communication equipment