

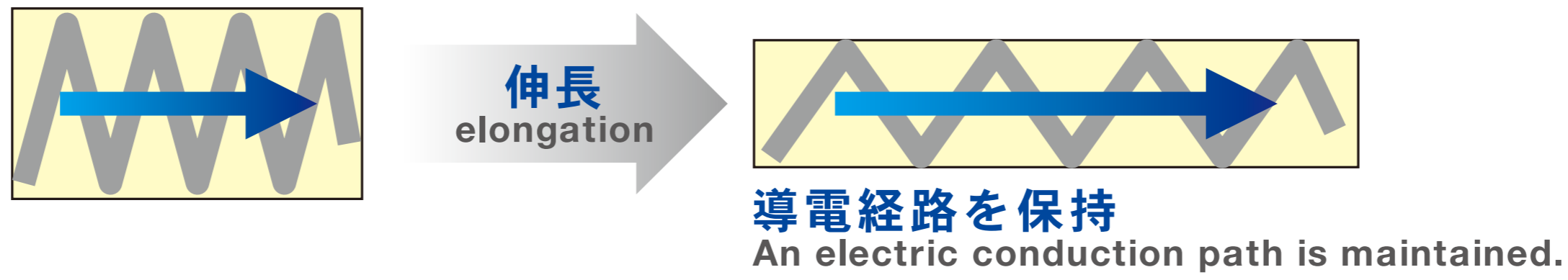


スマートラバーセンサ

The Flexible Smart Rubber Electrode

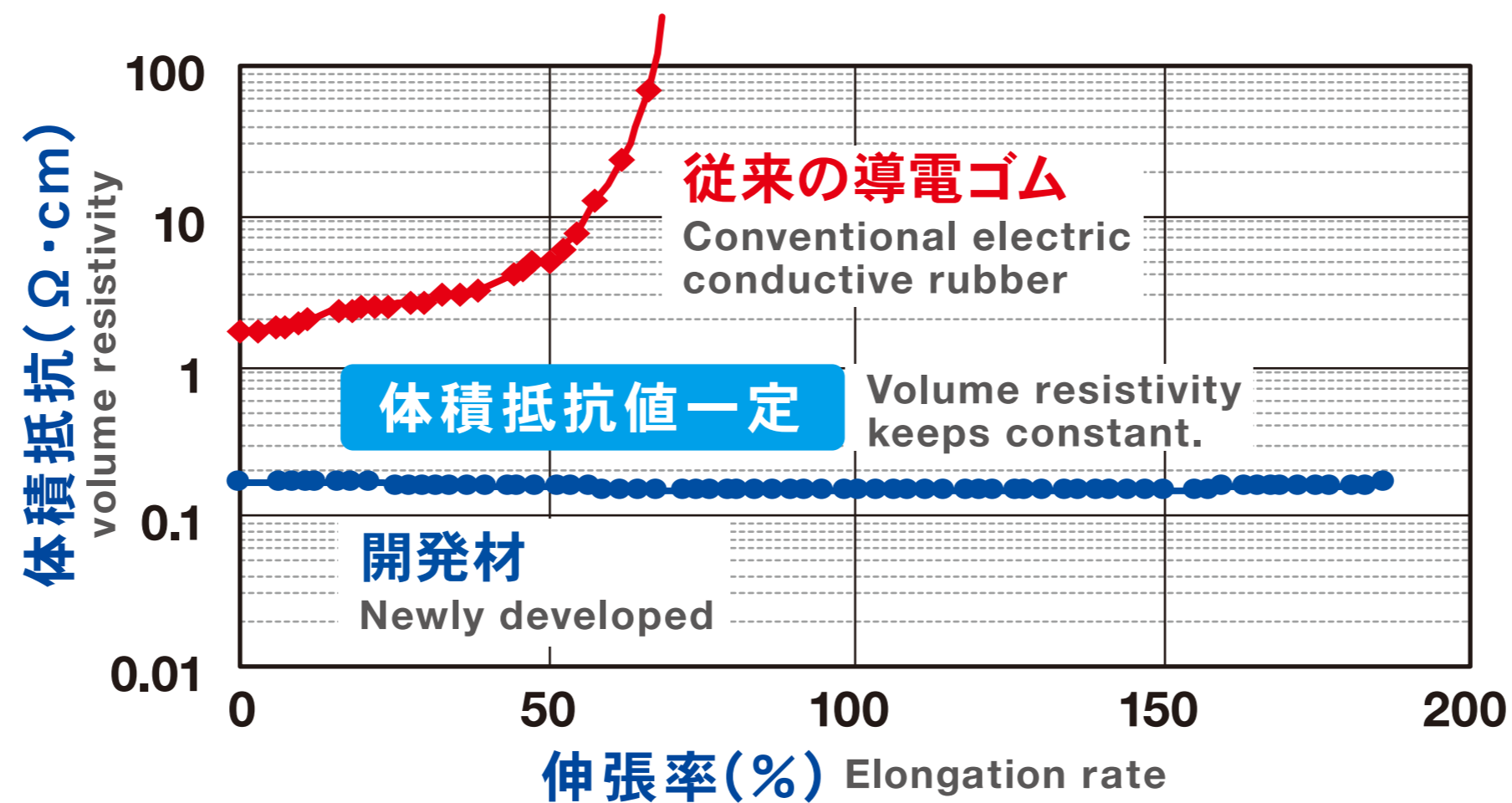
概要 Outline

- 柔軟性と導電フィラーの導電性を両立したゴム材料
- Rubber material achieving both flexibility and conductivity



材料の特性 Material characteristics

- 材料伸びと体積抵抗
- Elongation and volume resistance



特徴 Features

- ① 機能性塗料としてスクリーン印刷可能とした柔軟導電材料
- ① A flexible conductive material suitable for screen-printing as a functional ink
- ② 柔軟なエラストマー上に、伸ばしても使える電極を実現
- ② A flexible electrode working even if being stretched largely on an elastomer sheet

応用製品 Applications

- 静電容量センサ電極への応用
- Serving as electrodes of electric capacity sensors

柔軟電極 Flexible electrodes

伸びセンサ Elastic stretch sensor

回路 Electric circuit

面圧分布センサ (スクリーン印刷による多チャンネル化)
Pressure distribution sensor Screen-printing is suitable for the multi-channel.

手の押付け力の面圧分布
Pressure distribution of a hand.