

May 17, 2017

Sumitomo Riko Enters Automotive Engineering Exposition Yokohama 2017

First exhibition for “Damper Brace of High Performance Characteristics Attached to Vehicles” and “Low Gravity EPDM Water Hose for Automotive”

Sumitomo Riko Company Limited (Headquarters: Nakamura-ku, Nagoya-shi; President and COO: Tetsu Matsui) hereby announces that it will submit a joint booth alongside two other companies - Sumitomo Electric Industries, Ltd. (Headquarters: Chuo-ku, Osaka-shi) and Sumitomo Wiring Systems Ltd. (Headquarters: Yokkaichi-shi, Mie Prefecture) – at the Automotive Engineering Exposition Yokohama 2017 exhibition of automotive technology, which is to be held from May 24 (Wednesday) at PACIFICO Yokohama Exhibition Hall.



The “Damper Brace of High Performance Characteristics Attached to Vehicles” is a device which uses the high-damping viscoelasticity materials created using Sumitomo Riko’s unique polymeric materials technology to absorb vibration and deformation from vehicles by converting them into heat energy. The “Low Gravity EPDM Water Hose for Automotive” achieved a 20% weight reduction on the original design by using newly-developed light-weight reinforced materials. Both products are to be exhibited for the first time.

Furthermore, similar to last year’s exhibition, as an example of the measures we are pursuing in next-generation vehicles, a demonstration machine will be on display that will give visitors the opportunity to experience our “Driver Monitoring System”, with a seat that is equipped with a

uniquely-developed all-rubber sensor - the "SmartRubber (SR) Sensor" - which aims to detect drivers' seating pressure distribution, contact, and heartbeat.

We aim to reduce environmental impact by promoting lighter cars, create comfortable car environments by managing the stronger vibrations that result from lighter vehicles, and realize a safe and reliable "mobility life" for the future. Why not try for yourself the technology of Sumitomo Riko, as we take on the challenge of contributing to people, society and the Earth?

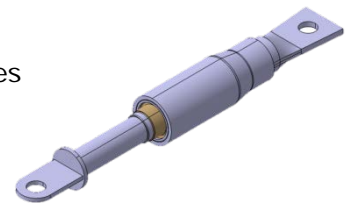
<Outline of exhibition>

Exhibition name	Automotive Engineering Exposition Yokohama 2017
Exhibition dates	May 24 (Wednesday) to May 26 (Friday)
Venue	PACIFICO Yokohama, Exhibition Hall
Booth area	Booth No. 71

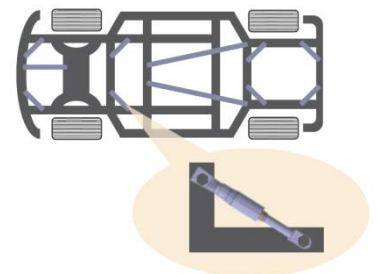
<Introduction of products being exhibited>

· Damper Brace of High Performance Characteristics Attached to Vehicles

"Polymeric materials technology" is a core competence of Sumitomo Riko, and we have used this technology to create the high-damping viscoelasticity materials fitted to the "Damper Brace of High Performance Characteristics Attached to Vehicles", including rubber and thermoplastic elastomers. This viscoelastic body absorbs vibration and deformation from the vehicle by converting them into heat energy, and contributes to reduced vibrations and improved steering stability. The design flexibility that is a feature of rubber materials has been utilized to allow installation in tight locations with limited space where body reinforcement and vibration control are required, such as locations where the frame components on the lower part of the vehicle body cross over.



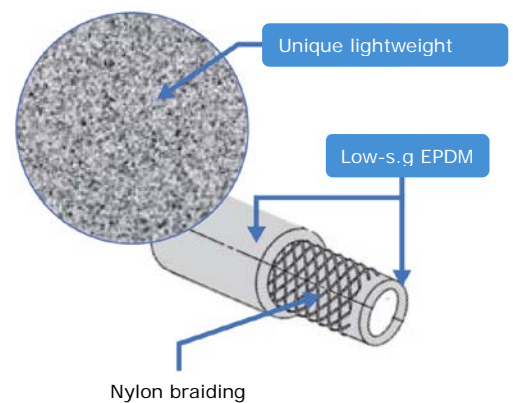
Damper Brace of High Performance Characteristics Attached to Vehicles (graphical image)



Graphical image of installation

· "Low Gravity EPDM Water Hose for Automotive"

Low-gravity EPDM (Ethylene Propylene Diene Rubber) water hoses were developed with the aim of producing lightweight vehicle components. They can be applied to a variety of hoses, including water system hoses such as water bypass hoses and radiator hoses. By using newly developed material blending technology to create lightweight



Close-up of lightweight materials and graphical image of hose cross-section

reinforced materials, they are approximately 20% lighter than conventional EPDM hoses, while maintaining the same characteristics in relation to strength, durability, heat resistance, and insulation. Switching to Sumitomo Riko's low gravity EPDM allows weight savings of about 1 kg* per vehicle.

* According to Sumitomo Riko's own trial results.

About Us-----

Founded in 1929, Sumitomo Riko is a manufacturing company headquartered in Nagoya-shi, Aichi, Japan. We changed our name from Tokai Rubber Industries, Ltd. in 2014. In the automotive field, we manufacture anti-vibration rubber parts, in which we have a leading global share, as well as rubber and resin hoses and urethane sound controlling/insulation products and interior equipment. We are also applying the technologies we have accumulated in automobile parts development to expand our business in the fields of electronics, infrastructure, and "housing environment and health & nursing". Utilizing our global network of 106 bases in 23 countries, we aim to be a "Global Excellent Manufacturing Company" that provides safety, security and comfort to people worldwide.

Contact Information

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