

Asahi Kasei Europe GmbH
August 7, 2018

Asahi Kasei wins 2018 Altair Enlighten Award for Glass Fiber Reinforced Leona™ Polyamide 66 Pedal Bracket

Düsseldorf, August 7, 2018 - Asahi Kasei received the Altair Enlighten Award 2018 in the Enabling Technology category for a glass fiber reinforced polyamide 66 pedal bracket developed jointly with Mazda Motor Corporation. The award ceremony was held in Michigan, the US, on July 30, 2018.

The Altair Enlighten Award is presented by Altair Engineering Inc. in collaboration with the Center for Automotive Research (CAR), media partners SAE International, and media sponsor Automobil Industrie. The award in the three categories of Full Vehicle, Module, and Enabling Technology is given to automotive manufacturers and suppliers to honor innovative achievements in vehicle lightweighting.

Asahi Kasei's Leona™ polyamide 66 with glass fiber reinforcement was used to develop a substitute for metal brackets installed in an existing model of a Mazda vehicle. Asahi Kasei's topology optimization technology, a kind of computer aided engineering (CAE), was used to achieve innovative design of the part, enabling an 83% weight reduction. Asahi Kasei received the Award in recognition of this remarkable development.

Asahi Kasei promotes the use of plastic as a substitute for metal parts to reduce vehicle weight for improved fuel economy. Leveraging its unique plastic CAE technology and know-how to predict processability and service life of the applied polymer, Asahi Kasei makes proposals on the optimum part shape and mold design, in addition to selecting the best resin and developing materials. Asahi Kasei Plastics Vietnam Co., Ltd. was established In March 2016 to reinforce those functions and swiftly respond to growing global demand for plastic part design.

Asahi Kasei will continue to enhance its plastic CAE technology for greater precision and speed to provide new solutions that serve various needs in the automotive industry and beyond.

About the Asahi Kasei Corporation

The Asahi Kasei Corporation is a globally active technology group that works in the three business areas of Material, Homes and Health Care. Material includes fibres & textiles, petrochemicals, high-performance polymers, high-performance plastics, consumer products, battery separators and electronics. Homes offers construction material to finished houses on the Japanese market. The area Health Care includes pharmaceuticals, medical technology, as well as devices and systems for acute and intensive medicine. With about 34,000 employees across the world, the Asahi Kasei Group supports customers in more than 100 countries.

"Creating for Tomorrow". With this slogan, the Asahi Kasei Group refers to the common mission of all its companies, to help people across the world towards a better life and living with sustainable products and technologies. You can find further information at

www.asahi-kasei.co.jp/asahi/en/
<https://www.asahi-kasei.eu/>

Caption: Asahi Kasei at the Altair Enlighten Award Ceremony (left to right):

Richard S. Yen

SVP Global Automotive and Industry Verticals Team
Altair Engineering

Yo Yamazaki

Brake & Operation System Development Gr.
Chassis Development Dept.
MAZDA Motor Corporation

Hideyuki Inaba

President
Asahi Kasei Plastics Vietnam Co., Ltd.

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