

# Global and China Global and China Aluminum Alloy Automotive Sheet Industry Report, 2014-2017

<https://marketpublishers.com/r/G2E27E55E39EN.html>

Date: August 2015

Pages: 90

Price: US\$ 2,000.00 (Single User License)

ID: G2E27E55E39EN

## Abstracts

In recent years, driven by energy conservation and emissions reduction and improvement of fuel efficiency, auto industry has been required to develop towards an increasingly lightweight trend. A great upsurge in substitution of aluminum alloy automotive sheet for the traditional sheet materials like steel products has been gradually on the rise.

At present, automotive covering parts including engine hood and luggage-boot lid mostly adopt aluminum sheets. Meanwhile, more and more auto markers developed all-aluminum car bodies and applied then in, say, Audi A2 / A8 R8, Range Rover, BMW Z8, Jaguar XJ/XK/XE, Tesla Model S, Ford F-150, Honda NSX, etc.

To meet the increasing market demand, some international aluminum giants such as Novelis, Kobe Steel, Constellium, Aleris, and ALCOA have expanded the production of aluminum alloy automotive sheet and are involved in auto markers' development of aluminum alloy car body.

By contrast, restricted by high threshold in technological development, China has presented a gap in production of aluminum alloy automotive sheet, especially that for car body. At the end of 2009, however, Southwest Aluminum constructed the first car body aluminum alloy sheet production line in China, and achieved small-batch trial production. Nevertheless, no domestic company can systematically grasp the technologies for mass producing aluminum alloy automotive sheet, let alone the application in car body with the independent brands.

China, though the world's largest car producer, has a substantial gap with international markets in aluminum alloy automotive sheet, a situation that reflects that the country

has a great market potential. In addition, China required that by 2020 the average fuel consumption will fall to 5.0 liters / 100 km, which will further stimulate the growth of its aluminum alloy automotive sheet market. It is projected that China's growth in the demand for aluminum alloy automotive sheet will stand at over 20% in 2015-2020.

The report highlights the followings:

Market supply & demand and enterprise pattern of global aluminum alloy automotive sheet as well as the development of Japan, the United States, and Europe.

Policies, market supply & demand, enterprise pattern, key projects, etc. of aluminum alloy automotive sheet in China;

Operation, aluminum alloy automotive sheet business, key projects, etc. of 7 global and 7 Chinese enterprises.

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