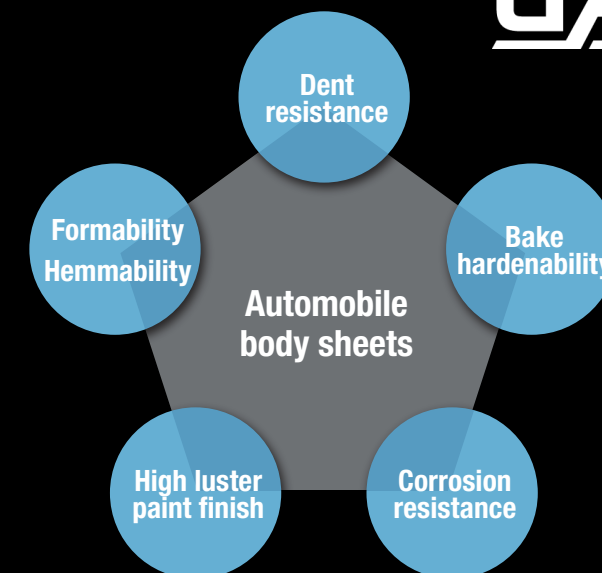





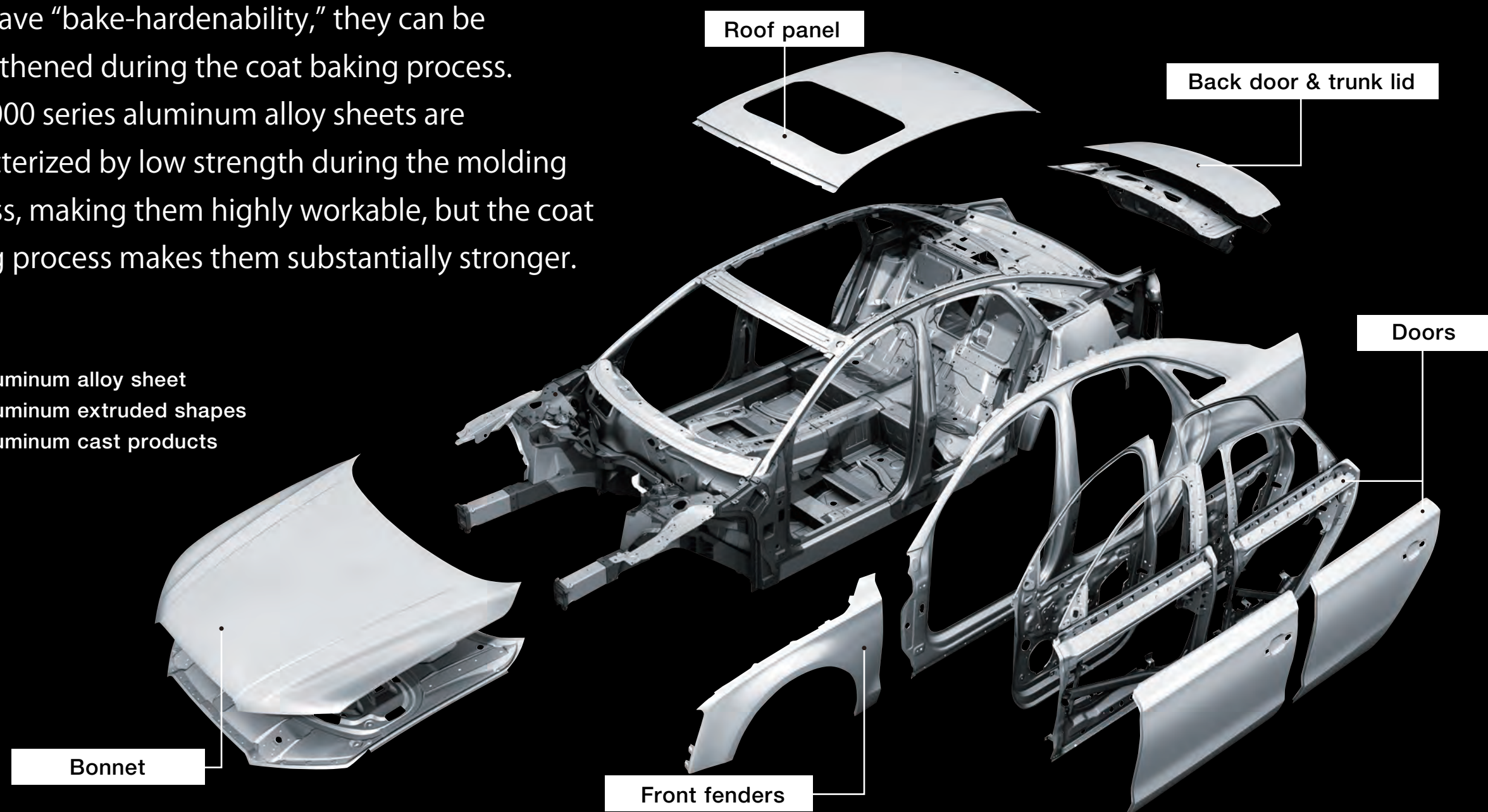
Aluminum alloy sheet for body panels

Aluminum alloy sheet features superior formability and strength

Currently, 6000 series aluminum alloy sheets are the type most commonly used in body panels, and since they have “bake-hardenability,” they can be strengthened during the coat baking process. The 6000 series aluminum alloy sheets are characterized by low strength during the molding process, making them highly workable, but the coat baking process makes them substantially stronger.

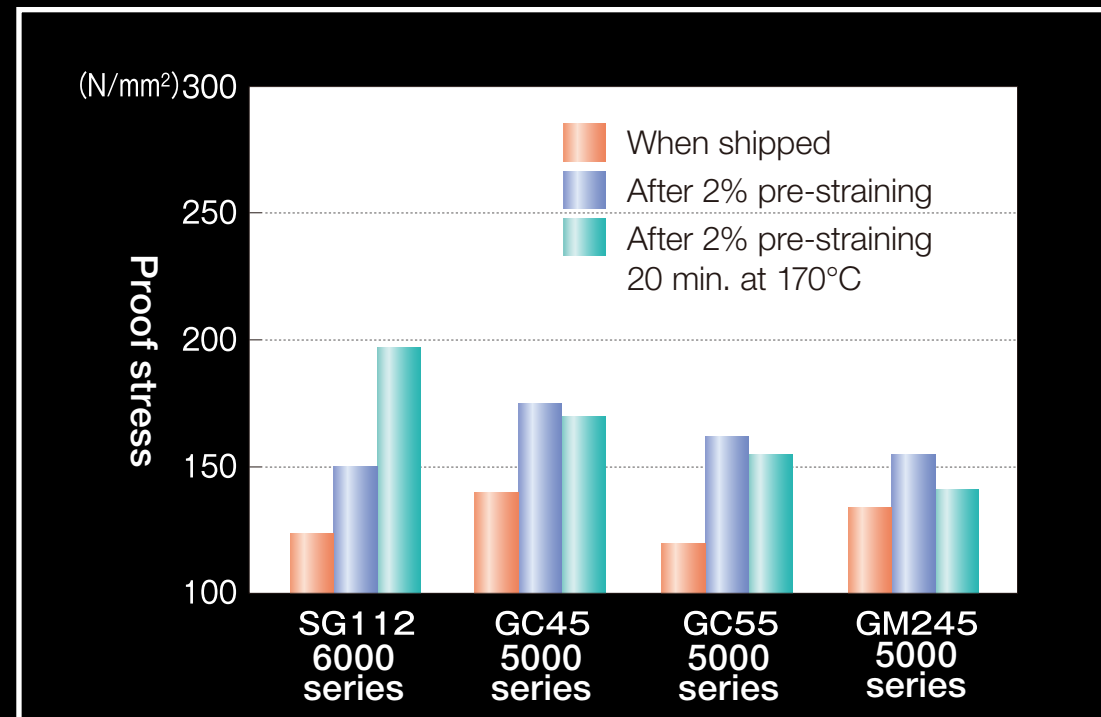


-  Aluminum alloy sheet
-  Aluminum extruded shapes
-  Aluminum cast products



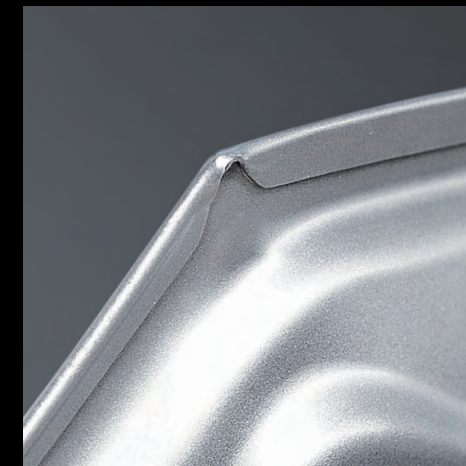
Aluminum alloy sheet for body panels

■ Change in proof stress of body sheets

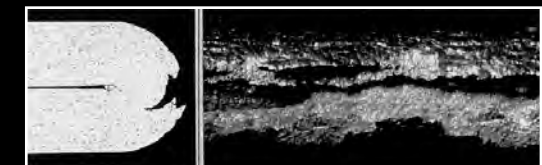


■ HEMMING

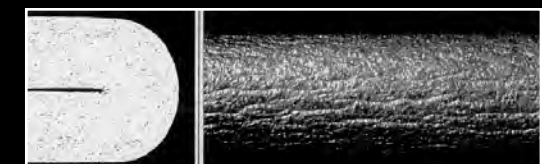
Appearance of sharp hemming



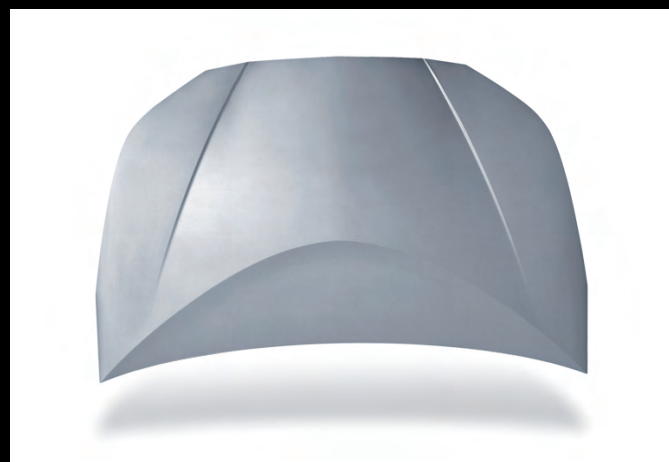
Ordinary aluminum sheet



High-hemmability sheet



■ Usage of UACJ 6000 series aluminum alloy sheet



Toyota Prius Bonnet
(inner/outer)



Lexus LS500 Door panels
(inner/outer)

■ Tailored blanking



Aluminum alloy sheet for body panels

■ Usage of aluminum body panels in Europe and the United States

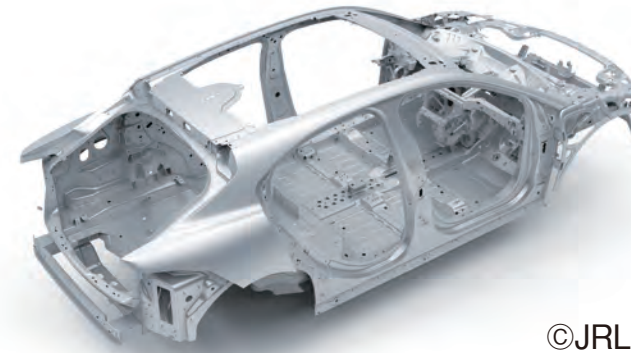
FORD F-150



©Ford

The use of aluminum alloy materials has reduced the entire vehicle weight by about 320 kilograms.

JAGUAR I-PACE



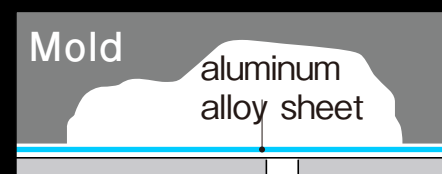
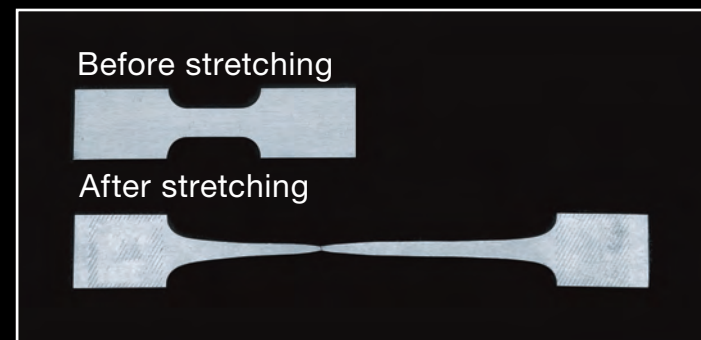
©JRL

The I-PACE is the SUV model of Jaguar's all-electric vehicle. From its aluminum alloy platform to its body panels, the I-PACE features aluminum construction.

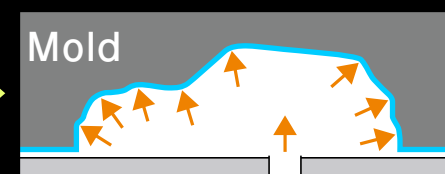
■ Superplastic aluminum alloy sheet

Superplastic material has elongation of more than several hundred percent at high temperatures.

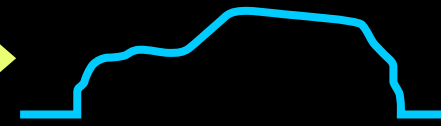
Using the blow-forming method, superplastic aluminum alloy sheet permits greater design flexibility.



Blow forming



Molding



©Tesla

The trunk-lid panel of the TESLA Model-S