

FACT SHEET

Plastic engine / transmission mounts

SUITABLE FOR E-MOBILITY APPLICATIONS



Weight and cost-optimized

Engine, transmission and power unit mounts made by ElringKlinger

The plastic engine / transmission mount consists of highly filled polyamide and carries the weight of the engine / transmission. Due to the high material damping characteristics the bracket itself helps to improve the riding experience in the car as less vibrations are transferred to the chassis. Moreover, the heat flux from the crankcase to the dampener is reduced as well hence the degradation of the elastomer dampener is much slower.

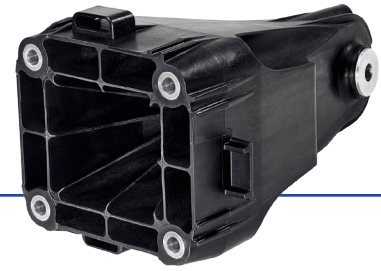
Technology

Plastic engine / transmission brackets are produced by injection molding of polyamide with short glass fiber reinforcement (typically 50%). Furthermore, plenty of other components like heat shields and insert mounts can be assembled to the main body. The variety of different assembly processes allows to create a

ready-to-assemble product with maximum integration. As the parts are safety-relevant, the complete injection and assembly process is monitored and stored enabling a full traceable production procedure.

Benefits

- + Weight reduction
- + Multi functional integration
- + Cost reduction
- + Improved NVH behavior
- + Less thermal conduction
- + Recycling
- + High dimensional accuracy
- + High process stability and repeatability

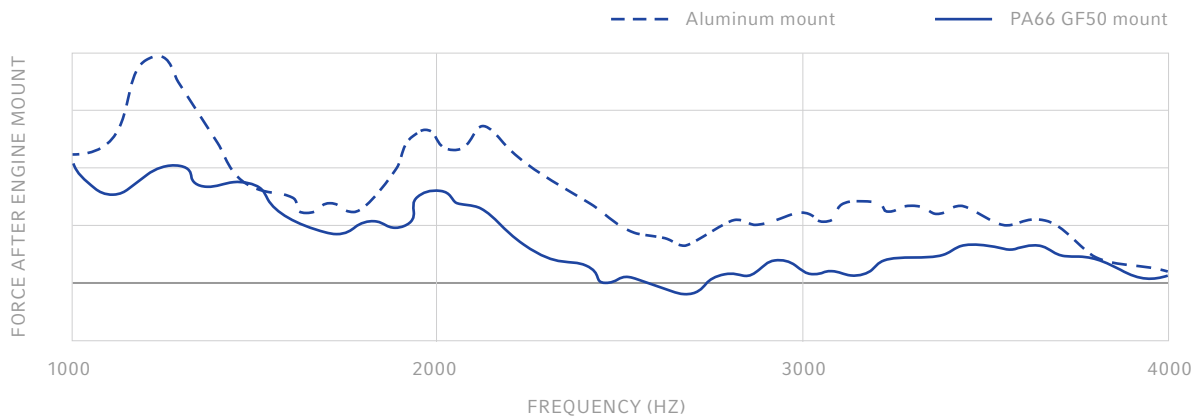


ELRINGKLINGER – YOUR PARTNER FOR ENGINE / TRANSMISSION MOUNTS

Product Development (Design, Engineering and Simulation) – Process Development – Tool Shop – Tool Sampling/Prototyping – Testing – Change-Management – Series Production – Part Measurement

Parameter

Source: Daimler AG, M264E20, International Vienna Motor Symposium, 2016



YOUR CONTACT

ElringKlinger AG
Phone +49 7123 724-0
E-mail info@elringklinger.com

ElringKlinger AG | Max-Eyth-Straße 2 | 72581 Dettingen/Erms | Germany
www.elringklinger.com

The information provided in this document is the result of technological analyses and may be subject to changes depending on the design of the system. We reserve the right to make technical changes and improvements. The information is not binding and does not represent warranted characteristics. We do not recognize any claims for compensation based on this information. We accept no liability for printing errors.



08/23