

Center Tunnel

Automotive / Body / Structural Parts

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Benefits

- Weight savings of up to 50% vs. metal alternatives
- Single-shot process reduces production time and cost
- High design flexibility due to multi-material layup
- Unchanged downstream assembly and coating processes
- Excellent crash performance and dimensional stability
- Sustainable, recyclable thermoplastic material usage



Details

Developed for the Porsche 718 Boxster/Cayman, this award-winning center tunnel features a hybrid structure made of Akulon® UDea™ PA66 tapes (GF60 and CF60), metal inserts, and PA66 GF30 injection molding. The component is manufactured in a cost-effective one-shot process and integrated early in the body-in-white stage, without disrupting subsequent paint or assembly workflows. This lightweight design reduces vehicle weight while maintaining safety, mechanical integrity, and thermal stability, even under dip-coating conditions.

Products

Akulon® S223-HG6
PA66-GF30

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