

# Cross Car Beam



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## Benefits

- Weight reduction of 20–30% vs. steel structures
- High stiffness and strength — suitable for NVH and crash loads
- Excellent functional integration (brackets, clips, ducts, etc.)
- Cost-effective, scalable production using standard machinery
- Sustainable: lower carbon footprint than traditional metals
- High precision and dimensional reproducibility



## Details

Cross Car Beams must meet strict requirements for stiffness, crash load absorption, and integration of various automotive components (steering column, HVAC, dashboard, etc.). They must also handle environmental challenges like humidity and temperatures up to 80°C. Plastic/metal hybrid and Hollow Profile Hybrid (HPH) technologies meet these needs with lower weight, cost, and environmental impact compared to traditional metal solutions.

## Products

Akulon® Ultraflow K-FHG12  
PA6-GF60

Durethan® BKV60XF  
PA6-GF60

Durethan® DPBKV60H2.0EF  
PA6-GF60

Durethan® ECOBKV60H2.0EF  
PA6-GF60

UDea™ Akulon® K20HG60  
PA6-GF60

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