



Body Interior

Lightweight Structure of Over Head System

OEM/Vehicle

Ford Motor Company

2018 Ford Focus

System Supplier

Grupo Antolin

Material Processor

Grupo Antolin

Material Suppliers

BASF / Covestro

Resin

E3953-107 / Baynat 2504 PU Foam

Tooling/Equipment Supplier

Grupo Antolin



Headliner thickness is reduced for a mass reduction and a cost savings. Foam mass is reduced 35% and a \$4 per vehicle savings is achieved with the elimination of NVH pads. The use of a perforated foam, to improve NVH performance and porosity, enables a 30% improvement on NVH properties. A 7–10% piece price substrate cost savings and an estimated \$0.5 million savings on warranty issues are also achieved. Mechanical properties are improved by 35%.