Instrument Panel Carrier

OEM/Vehicle
BMW
2017 Countryman

System Supplier
International Automotive Components (IAC)

Material Processor
International Automotive Components (IAC)

Material Supplier
SABIC

Resin
Stamax PP LGF

Tooling/Equipment Supplier
Siebenwurst

Long glass fiber PP injection molding via structural chemical foaming with core-back process enabled the production of this part with very low VOC emissions, meeting VDA 278 specification. Extensive CAE work predicting warpage of the foamed part provided valuable insights, allowing for the modification of tooling in advance. Use of foaming means less material is required resulting in a 15% weight savings, fewer emissions and less cost.