



## Body Interior

### Instrument Panel Carrier

#### *OEM/Vehicle*

**BMW**  
**2017 Countryman**

#### *System Supplier*

**International Automotive Components**  
**(IAC)**

#### *Material Processor*

**International Automotive Components**  
**(IAC)**

#### *Material Supplier*

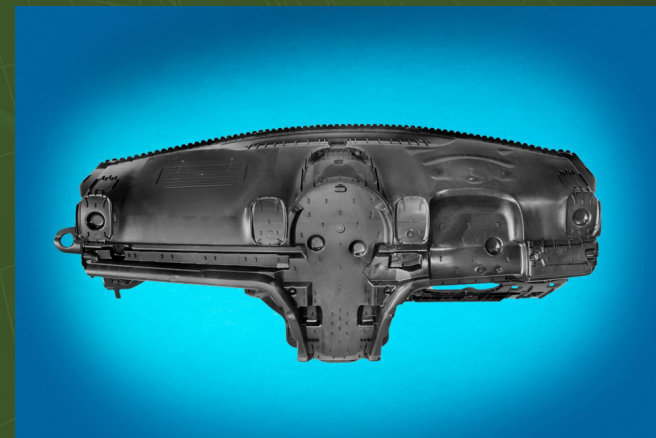
**SABIC**

#### *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.