

## Škoda Fabia interior

### The suppliers

The dashboard of the Škoda Fabia is produced by the French moulder Faurecia, while the cladding for the doors and trunk are produced by the US moulder Cadence Innovation.

### The case

The concept for the Škoda Fabia emphasises a high quality perception of the surfaces, in line with the fact that the manufacturer's brand profiling, as well as consumer expectations, of Škoda have risen significantly. Thermal expansion, gloss, emission, odour and fogging and non-sticky surface are also key issues. To cope with cost pressures, moulders also focus strongly on ease of processability and reduced scrap rates.



### The challenge

To meet the quality perception demands for the Škoda Fabia interior, Faurecia and Cadence Innovation required materials with high aesthetic performance (haptics, scratch resistance, low gloss, colours). In addition, low values were required regarding thermal expansion, emission, fogging and odour and as well important to cover new anti-sticky regulations from Volkswagen group.

### The solution

The challenge was met using the following Borealis solutions as the main materials:

- Dashboard and Trunk Claddings: Daplen™ EE189AI
- Door panels: Daplen™ EE158AI
- Structural visible parts: Daplen™ ME268AI

Borealis provided CAED support for the door and trunk cladding in order to optimise and balance the tool. This ensures a wider and more stable processing window and enables surface quality to be optimised.

## The product

### Daplen EE189AI

A 17% talc-filled grade, developed especially for automotive interiors. It provides excellent scratch resistance, low gloss and meets specified anti-stick equipment requirements.

### Daplen EE158AI

A 13% talc-filled grade exhibiting superior scratch resistance, excellent workability, a high stiffness / impact ratio, which also meets the anti-stick requirements of the VW Group.

### Daplen ME268AI

The outstanding features of this 20% mineral filled grade are its excellent stiffness and impact strength relationship. It was specially developed to meet the anti-stick requirements of the VW Group.



Physical characteristics			
	Daplen EE189AI	Daplen EE158AI	Daplen ME268AI
MFI [230/2.16]	11	11	12
E-modulus [MPa]	1,900	1,600	2,500
Notched impact @ 23°C [kJ/m <sup>2</sup> ]	16	22	6
HDT B [°C]	100	98	110
Shrinkage	1.0	0.95	1.1

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