

Daplen™

**Polypropylene
for the automotive industry**

Broad portfolio of TPO compounds answering interior and exterior OEM stringent specifications

Benefits

- Daplen for interior applications
 - Low gloss
 - Low fogging, emission and odour
 - Very low density
 - Extra high scratch resistance
- Daplen for exterior applications
 - Excellent stiffness/impact balance
 - High level surface aesthetics
 - Low CLTE
 - Improved flowability



Success story: Daimler Chrysler C-class – interior

Challenge

- Material with outstanding scratch resistance and wide processing windows so it can be used for different applications

Solution

- Daplen EE188HP

Benefit

- One material for all interior applications

	Daplen EE188HP
MFI (230°C/2.16 kg)	13
Tensile Modulus (MPa)	1,850
Notched Impact 23°C (kJ/m ²)	22
HDT (B) 0.45 MPa (°C)	105

Success story: Smart ForTwo – body panels

Challenge

- Class-A surface in specified colours with excellent impact/stiffness balance

Solution

- Daplen ED230HP

Benefit

- 15 % weight reduction compared to PC/ABS and excellent paint adhesion

	Daplen ED230HP
MFI (230 °C/2.16 kg)	10
Tensile Modulus (MPa)	1,800
Notched Impact 23°C (kJ/m ²)	30
HDT (B) 0.45 MPa (°C)	52

Success story: Audi Q7 – bumper facia

Challenge

- Narrow gap tolerance in combination with high surface aesthetics and excellent impact/stiffness balance

Solution

- Daplen ED223AE

Benefit

- Very low CLTE and excellent paint adherence

	Daplen ED223AE
MFI (230 °C/2.16 kg)	9
Tensile Modulus (MPa)	1,300
Notched Impact 23°C (kJ/m ²)	67
HDT (B) 0.45 MPa (°C)	89

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